

tgattgggtc atggtctctc cttagcgttg aaataacctt cattaattaa ctcttgcctt 180  
aactatatat taatatatac ccttaactta taccacgat tattaatacc cccaatgggt 240  
ctgggatcta catcacactc ataaagtcga ctcataatna ttctatccac catttaattt 300  
cttagacaaa tactttatta attaaatata tcttaatggc tctctttttg tttttatcag 360  
tgatatacat gtcaattttt tgttggtgaa cacatgaacg ttaact 406

<210> 14239  
<211> 450  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14239

aaaacgatgn gcattgatac gtaattataa cnaaacgtgg gcaggaaaca cgtaccctat 60  
cacttctatt gtgcganang ggnngcaggc ctacgagcag aataatattc tcctctcact 120  
ctgattatag gtttttggag catatatatg gttgtcgcta gggcttatta attgggtcaaa 180  
aagttgtggg atagagtcac cggtggcata tttggactag ttaacgtcat tctgtgaagg 240  
aagtatcgct gttgcaaaat gaacgatgct gatatatgcg tgggtgaagt ctctaanatt 300  
acgatgaact tgtaaagggtg atatgataaa ttacaataac gtaaacaatt aacaaaataa 360  
aaaaagtcaa atgtgcggct tgtgacatct acattattaa tgtccatttg agactactga 420  
acgacactga atatctatca tcatatacag 450

<210> 14240  
<211> 453  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14240

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cgtgacacct attttattta atagggcggg acacacccat cgaggtaggg ttacaacact 120  
ttaaaagagt ttataaccaa ctccaggattc aacagatgtg acatggacca tggctgctcc 180  
gctaagaaaa tatgctaata gctatgttat cctggcctgg tatgtggatg acatgggtgat 240  
tgcacgatct aagttgacag aatattacat gtcgaaacaa actttgcaga taactttgaa 300

atgaacgatac ttggtctacc tatacaaagc cttgtatgag aattctagat acagatcata 360  
atgattctga agtgtctcag agaaattatc acacgtgctt gcaggtttac ctgatatcta 420  
agacaggaat acccttagga tctcattgaa ttn 453

<210> 14241  
<211> 479  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14241

cctactantg cattcanngc atncatacac antnnatact angcccttgg aggattanag 60  
gggttggttc aagcattcca ccagattaaa atatttctca tagaagngaa ccaaattggg 120  
ccatcatcct ggacctttat catgaccgcc accaaattta agaaaatttt gccaggttct 180  
acacttcaga agaattattg cttagcctcc aaaagaacgg tggaacctgt gacaccctt 240  
gaatccgtcc tttaatatta ccagaaaatt attagggagg gtccttctta ccaggggtga 300  
aggttccagt tagccacctc catggacctt ctattatggt cttaaccac cacctgatca 360  
agaatttatt gaaaaacaga atatcagata tttgagatgt tggttttgc ttctcagctc 420  
aatgcagata tgccatgagc agacaagaat ggcacacagc attacaacgt agtctagtt 479

<210> 14242  
<211> 470  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14242

nnccaagatt tgagtaactt cantattagt aaactccgaa ccnnaaatga accgaaggaa 60  
ggcaagcttg ttcaatttcg aaaatggcnc ngaccgacca aaaggaagaa tccacttcaa 120  
ccaatatcac ccttaggcac aaccatacat aacattcaaa tcatgacaaa ggtggacaat 180  
tagctagagt agcaaatatt atagcaatac taattgcaaa caacgggaaa ttgaccacat 240  
taaaattacc ttctggggag gtccgtttcg catccaataa tggctcagca acaatcaaac 300  
aagtgggaaa tattacagta aaccagaaaa atttaggcat angtgatct aaatgttgac 360  
ttggtgaagca tcctatagta agaagagtat aattatgaac cttgagacca tccacatggg 420

gtggcgaaag gagggacca ntggtagaaa aaccagAAC tccttgatg

470

<210> 14243  
<211> 428  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14243

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gacgctggga gagtctcttt ctagnchnaan cncngngag angaggcca ggtgaatatt 120  
aaaaaaggat tttctcttng aaagatggaa aatcctaatt agtgcgtgac aaaatggcta 180  
cttcccatat cattattatg atatacccca aactccatag tctccttcac actataaatc 240  
tttgagacct taggtgcacc atatagcttt gccacatatt attgtgcatt gatctgatgt 300  
tatttaaatt aaacctgtac tgataaacca caaaggattt gcgatacaga gattaatgat 360  
acattataga aacctggag caatctaacc aaaataatgc tgctgatatt taaccataa 420  
ttgtgaac 428

<210> 14244  
<211> 416  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14244

naaggattac cctangatac nctngantga gcaagagcac cggagagagc tcctaagagg 60  
acctgagggg tgtgaacgtc tttttcttta taaagagaca caagggcccc caccctggg 120  
gccctcttga attagacctt agagaaacct acccgtagcc aaatctagaa aaacctattt 180  
acatgcctta aaatcttgct aacagtattt gtaaaacaac gaaaagtaga gcaaagatga 240  
atcattggca gacctgctgg atgttaacgc ctctgagcta aaaaaatcaa atagaagtgg 300  
agcacctgtt ctaaaacttt cttttcttct ttactatgca cttactcatt gaggtaact 360  
gtagactgtt gaggaaccaa gactatttaa gaacatatac cttgtacgat attacg 416

<210> 14245  
<211> 390

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14245  
  
 ccaataccgg ccactccttt cataaccaat taacacaaat gaagtccttc ctctcatacc 60  
 agtggttggtg ttttaacctca taattaccgc cacgaatcca atttcataag cgaatgatcg 120  
 atcccactgc aaaacatcat ctccaggtagc aaacatctag aatgcaagac acacaatttt 180  
 agtcttcaaa gggacattcc tnttattaat taaataacaa taaatcacat tattatctga 240  
 aaagtattta acgcctcaga acaatcaaca tgttcttctt cattcacact agcttcgctcg 300  
 ccattttaat cattcatatc aactttntca gacattatac tgtcatacat ccattgatct 360  
 tcgtccatct taacaacaca ttcaaaaatt 390

<210> 14246  
 <211> 78  
 <212> DNA  
 <213> Glycine max  
  
 <400> 14246  
  
 agtttggttc aaagagggtcc aagaaggata aggcggccga agggactagt tccgctcctg 60  
 agtatgacag tccccgct 78

<210> 14247  
 <211> 401  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14247  
  
 ctatanncat ctcccactcc aagtaggect ccgatcattc tttcctctaa aggggggaaat 60  
 gtgatttnat acccatcatt cggttttgtc taagaacacc atcatttctt tcttctccct 120  
 ccttcttttt cattatgatc tctattctcc atgtgatcca acctctcatg gagcgcatca 180  
 tctcgntggt tcattaacct ctccatagt tgcacaaag ctngcatttg gaattgcgaa 240  
 agtccccctc catcattang aattgttctt gccatctcaa acanacaaat caaacgtaac 300  
 aagacaatta tagtctgctg tttgaatacc tcaccactc aagtgtatca cacaattatg 360  
 gcttttctct aatgaaacac tcttgctttt taccactcta a 401



<210> 14248  
 <211> 77  
 <212> DNA  
 <213> Glycine max

<400> 14248

agcttctatc aaggggagat ggaccatttc aagtgcctga aagattcatt gacaatgcta 60  
 acaaagttga cctgccc 77

<210> 14249  
 <211> 448  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14249

nttcttctac agttaatttg tattgaacat ctcgataaaa tttaaattgt ctgatnnctt 60  
 ttatagttaa tgtaacccat gattacagga ttaatctaac ccctcattag gaattttaa 120  
 tagaatccaa ttgaatcatc aaaggaagca ttacaacaac aaacatgtag agaaaaataa 180  
 gaaatatatg tagaaagcct atatatcctt gaaaccaatc tatgtttaca atgctaaacc 240  
 tgagcttctt gtagttctat atttgccagg tggttagtttt ggaagcaact angtgctaca 300  
 aaaaataagg aggaccatct acctaagcat gttnttaact gaatgtgagg catttntgtt 360  
 tataactagt gaatactcgt gtttaagatt ctgcagtaag aatagttcat ggggtaaatn 420  
 tgataatgag ctaattgatt atattctg 448

<210> 14250  
 <211> 324  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14250

acttggtgtg atgttagctt tgttcgtcaa tgctttgacc ttccaccacc atctgcatag 60  
 atttagatta ttattattat atttaaattt taagccttgt atttggctat ggtttatgac 120  
 atttgaatac ttagtatttc ttcatattt acttagtatg actgaacatg atgatttata 180  
 ttacttgctt ttggtgttta tgggttatgtg tggtaaacct tattatttta tgatatatat 240

gtctagtgat atgtacttac atttgggtatt gtgtngatgt atgtcttata attattcatg 300  
tatggtttat tntacgcact atga 324

<210> 14251  
<211> 416  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14251

tacattttttg actttttaac atgagatgaa atacagagat tggacctcct gtaagttggt 60  
atcaaggaat acctaaacac ctgggcctga gtggaaccag aaccctgaaa acggggggtg 120  
aaccaacttt cctgaatctg tcttaataat aaacctcatc tattggaatg ttcacatttt 180  
gttctccttt tgtctagttg catattctgt gaaaacaagg gataggtaca cattgcttca 240  
tctttctcat catgcaatca atgaattntg atgcatacac ccctatacat aatcactgca 300  
tgtntacca ctngaggaca agtgagttgt tatcttttgc tcgaggacan agcaaactgt 360  
aaaattgggg gagttgttag tcatgaata cgactaactt ttgtgataaa acatgt 416

<210> 14252  
<211> 392  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14252

agcttggtgn ggagtgtcat ttncagnnnc agaatgatct gagtacatat atatatatat 60  
atgtctacct gcacatacat ctttgaggtn tttttcacat agtttaatgg aatcatatta 120  
tctctattat tcacaccctt tgtttacact aaactagaaa taggccattt tcaatttctt 180  
ttggtgatgg acaagcacia gctagtgtca ttacaattaa tgattaagaa attaaaatgc 240  
aaaattactt aataagaaat ataatatcta ttatatatac tatatgtaat ttgatacctc 300  
ttattttgta atgtttataat aatacccaca aagcatgtca tgaaaaatat aaaattataa 360  
atgtcttttag caaggtatct acacacgtac gt 392

<210> 14253  
<211> 450

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14253  
  
 caactttgcg gactganacn gatgacgtac anttagacac taacctgcaa acanataagt 60  
 aggtctatga tgcttttctt tgttctagag nactatgtaa tgaaactaac tgtttcttgt 120  
 aatctatcat gttgcctgtc ctggtatata ataaattatt tcgggaataa aaaacgtttt 180  
 ggtgggtgat atgccagtca ttttcttggt ggtaggtacc cctatcttaa gaatagttgg 240  
 gccaccacct aatagaagaa acgtccttcc ttatagcata tgcccaaag acacttccac 300  
 atggaaagtg cacccttgag atgaagtacc ccactgtgag taaaanatca cttgggctta 360  
 gtcataaatg ttggattgaa gaaagtgaac tngtaccaa aagaaatgca ttagggccaa 420  
 tgacttgata gaaacagttt attgtaactt 450

<210> 14254  
 <211> 509  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14254  
  
 ggaagaggag ttganacctt agganactnn tganaacnaa annntggcn aaggagacac 60  
 tnnanangag accggaaggc acgcaacttt ggttaantct ttataaaga ctngagcgcg 120  
 ccgggggttc tcccccttg acaacatcaa aaagccaaag aactcggaaa tcaacacagt 180  
 cttaacattg gagtaccagg atataagtat caaagtatta aatccattta gccaaactca 240  
 taatcaagga aataatctaa ccagaattca attaccaata aatgtcaaca accccataat 300  
 atccatgact tgaacacaag aaaaataagc acagtactta gcataataat gtaaattcta 360  
 agaaactaaa agccacaata cacggcttat aagagatata taagcagaag tctaaatcta 420  
 agaagacgga ggaggtggtg ggaagatcaa actctgacga atgatccgac attctcttca 480  
 agctgtgtaa gacgaatgtc catccggcn 509

<210> 14255  
 <211> 310  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 14255

aagtcattgca caagcactca ttntatatca agcanatcac ttattatcat aactggaatt 60  
taatgactga aattttaaag actgaaacat agagcaacta aataactaat aactaaattg 120  
ttcatgattt gtagaaatta aaacaaaacc aaatttaaac atcctgctca tctgtggct 180  
gatcttcatt taaatccaac actatagcag ctgggtgcac ctgaagaatg ggctgctctg 240  
gctccatggc tgggtgctgat ggcattggtgt cctcagaaat aggtgctgga gagatacgaa 300  
ctggagaatt 310

<210> 14256  
<211> 340  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14256

ctacaacctg cttgcagtnt gagaatcgaa tctatcagga agtttcatac catccatttc 60  
ttctcatcg atatccttga agcactgac tacactttct tccctaccca gctctacctt 120  
gtaaggtccc acctcggtat ttaataaata agacacaaac atgacggtaa aatattcatt 180  
atttacatat aaactaaatt tgtgaaaccg aatggatagg agactatctt taatgagttt 240  
accttggtct gtgtcttacc aatcaacttg ctctgtccct actacgtttt gaagtgaata 300  
aggtcaataa agggcgtaat agtctttcat aaaagactaa 340

<210> 14257  
<211> 190  
<212> DNA  
<213> Glycine max

<400> 14257

acagctgcat aaataatagg taatcattat atttccaac caccattca ttgtttgtta 60  
cctaatttac ttcatgaca acatcgtaaa atatatacaa aaaagaaaga tgtagtatat 120  
aagtataaat ttgacagagt aataatacat agatatctct ttattttaat ggtatcaata 180  
cttctcatat 190

<210> 14258  
 <211> 321  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14258

ttgtcttctt attatgtata aactatttaa aatcgtaagg aataactttt tataagattg 60  
 aactgaaaat aaataaattt tgggtggataa aaatcgtaac aaattgtgaa atcgtaaact 120  
 caatgaacaa agaggggact aaagtaactt ttcgaaaatt gagggactaa taaaaataat 180  
 ntttttgaga actaaaaata cttaccgaaa ttgaaagata aaaatatatt tagccttaat 240  
 catcttataa atcagctgta gatgaagatg tccaccttat atacctaatt tgctatatct 300  
 ctagacatgt gactcaacac a 321

<210> 14259  
 <211> 417  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14259

ttataagtgc ggggtctggga gacgaaggtc aagtgttctt ttatgcgaag atgatgttcc 60  
 gagtacttgg gatttgggtcc gaccatgccc tcttgatttc cagctgggaa attggcgagt 120  
 ggaggaacgc cccggcattt acgcaacaag cataatgtaa acctttacgg ttttaaaagc 180  
 tctatagttg ggcctaggct ntagagtttt cattntgtta aggctntgtg tcttttgttt 240  
 ttgaatttat aatacaagga tctttcttca tctgttcttg gtctctaccc attctcatte 300  
 atttgcattg ttacttcttt ntctaaaacg gcagattcga tgacgagtcc cccgaaggta 360  
 ctaataacctg ggacctgtct atcaacttcg agcaagaaat gaatcanacg gaagatg 417

<210> 14260  
 <211> 475  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14260

aaaaaacggg cttagnnttac gtcngganntn canctngnna ccgggggatac tcttaaagcc 60

aacctgcagg ctggcaaccc ggggtattaa gggatataggc cagggaaccc tggaattctt 120  
 ttaaccctac acagagagag aggtccccga gggtcgtcca ttcttccacc ccgaaccgag 180  
 agacgcggat tccaaagtag aggcaccata ttcgcgaacg tggctcctct tccgcttcgg 240  
 caccatnttc gttgggttca ggtctttcct aaaagcttca gggattangt tacgggtttc 300  
 ggcgatcctt gtctctttct gggcctgcga cagcgagtgg ttcacgacgc ggaggctctg 360  
 atcggagcan gcagcatgga acacgctctg gccgtcggag aagctgatct tctcgacgga 420  
 gatcacgcag cactcctgcc agctgagctc accgagatcc gcaccacatc ctcen 475

<210> 14261  
 <211> 492  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14261

aaaaacttta ccttgattgg caagcaatac aaactcaagc ttctgagatt cccacgtgtc 60  
 tttgaaactg atctctgagt tttgatacta ttgtgcctct cacaacaata ttttaataaat 120  
 ttggatttgg tggattagtt aaaccggta ttcgcacccat aaaagtcaca actgcgggaa 180  
 cttcgcaagc tattcttagg gaatcttaaa ccttaaatgg cttcctttaa ccttgggtctt 240  
 ggaggttcaa cttaaccctt attgggttat gatattataa tttggatatcc aaacctgttg 300  
 gtccctgacc tggattggaa cgggaaggaa gtagaccatc ctaaaaagcc actaggaaac 360  
 ttctggacat tcgcatttct taatcacagc ttcttgccct gtgcttttga gtagaatatg 420  
 gcanatatat atcanggtgc tgttatgaaa tatactacac atttgtgttt tgcgacgtgg 480  
 tcatgtgtat an 492

<210> 14262  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14262

tttggaacct ttgaattggt ttgggaatta atggtggggg ggttttgggt cattgacaac 60  
 tggtttgtgg ctatgcttca tgatgtatct tgggccatac ttgatgtaca ttgtatattg 120

gtaaatgttg gacatgctga atgaaatggt tgttctcaaa tgcttaaaaa caaaaagaaa 180  
 atcgaanaat ataataaaaa ataaaaaatt cgaaaataga acaagaaagc aatacagttg 240  
 agtgaata 248

<210> 14263  
 <211> 425  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14263

aacggcctcg actangctct tctagaccgc tagcacttag agcancancc ncaattntct 60  
 ataaataggg gtgaagtga gtaaactcggg ttcacccctc aggcctctc tctcttcgga 120  
 attggctgga aaaaatggtt cccgggagaa aaatccagcc gtagccctc ccaaaccgtt 180  
 tccttacgt tccggggagg atttcccaa aggttccaac cgtcctcaac gtcctatata 240  
 tccttattct ctgcacttac ggtaatccct caccagcctt tcaatcttct tttccctggg 300  
 tggcccatgg ggttcggatt tatctcttcg ttactttata ccctttgact gtaacattt 360  
 attaatacatt ctcttacta aataataatt caccacgttg atgatatcgt actcgtaaata 420  
 gatcg 425

<210> 14264  
 <211> 447  
 <212> DNA  
 <213> Glycine max

<400> 14264

ggaaggagat gacttagaca gcgattcatt cgaccgcgat ccctgagaca cccgcaggca 60  
 gcaaaccggt tttttccggt tatggaatcc caacctagag ccttacacaa ggcaccgaat 120  
 acaccgttga aggacacaat tcctttcaac cttaggggaa gagatccac caaaaggcta 180  
 acctggaacc tacctggatc cagaaagatt atttatgaaa tggagggaag aagggttgga 240  
 cctatatgaa ttcaaaaccc attggccagt gggtggtctt gtgtctaaaa acgatgttgt 300  
 cgtctggtta tgttcgttgc gtaaaagcct gatatcatat caaagtgcag ttaacagtta 360  
 agtttgatt aattgattaa tctatgggaa cctggataaa aaatgtgtat tgcgttatac 420  
 gtgatgtttt ttctaccagt gcatgaa 447

<210> 14265  
 <211> 404  
 <212> DNA  
 <213> Glycine max

<400> 14265

tttatgaacg acaaacctgc acaacattgg cctatttatt cttcgtttag cctccaataa 60  
 cctctgcatg ttagaataat tagctactta taatgcacaa ctttttttca taggttggtta 120  
 tattttacct attgaattaa gtaaagtcct atgcagacct ctttttgtga ttccttcacc 180  
 catgtttcaa tgtgatgggtg acattcatcg cgtctattct ttgcattgtg tatggactaa 240  
 ggctcaagaa atacataccc ggaaccatga cccaacctta tactaaactt atccataaac 300  
 ctatttttaa cattacaaat caaaattggt aatcatacat atcataatga atattaatta 360  
 ttaggtaatg aaaagtaacc ttgaaatata aatcacttac atca 404

<210> 14266  
 <211> 477  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14266

naaatgatgc tttgattntc ttgcaggcna atcacagacc cgagggaaccc nanaaggcga 60  
 accggaagga agcgaagccn gagtcctttt ggaaaggacc aaacctnaat acacggaggg 120  
 cgcgggggagc cccgaaacac acaaaacgcg caaattataa agccgcagcg cggagaaaaa 180  
 ggaacggcaa aaactctata cactggaagc ccgggagaga cctgttaaaa tatccagaac 240  
 gccgcaaant gaaaacggag ctcggaggaa atcaaagacg aaacctctat cggacgccga 300  
 ttgaacgggt atatatcacg acgaacaaca atgagactag aagcgccgag caaattgaaa 360  
 cgacaacaac cttatacacg gaggggtccgt tgaaccccg cgaatattccag acgcgcaaga 420  
 ttgagaaccg aagctctgag aaaattgaga ggcaagaacc gtcgcaacgg aagccccg 477

<210> 14267  
 <211> 548  
 <212> DNA  
 <213> Glycine max



<223> unsure at all n locations  
 <400> 14267

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agacaccann nnnnnaacgg gttagacccc aatcgganna tcngnatnan catnncatat   60
tnaatacnan nacagatnga ctgggggaccc cgngggttgag aaggatgcga ggattatggt  120
tttctnngg aanaccnnga acctcagtgg aggggtggcc atcttgggga ttggttgggt  180
ttaatgtggt gatcctgggg gatgtgggag aagttgactt tgccccatt gccccgacac  240
ggcaacctaa ttcaccacaa tattaattgg ttacccccat aattcctaca aaccttgaa  300
ttgaaggaag tgtggcaagg gtggagactt tctaacttta ttctgttgaa cacagaagg  360
gtccctgaag atatgtcgtg ggggtcatga gacccttggg acgtcaggtg ggtgctattg  420
gcccatacc agctttgacc atccccgacc acacacgggc atagtcagtc agtgagacc  480
ttgatgtact aaacagcnag ctctaacatc aaccgttaaa gacaaatacc acaagcagga  540
gcttgttt                                     548
  
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<210> 14268  
 <211> 376  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14268

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tagggcgccc tactctcctt gcagtataaa tctgacaaac tgaggataag gaagctacac   60
tacaaagaat ggatcancat tcacottcan gaaaccagga tatttacact ggtttttaca  120
atattcataa tttagctacat ataaattatc agaggggagag acaaattaac tagtgtaaat  180
cattagtgtt ctttgggatac attcttcata agtatttata gaaatagaaa ataaaataaa  240
aaagattaac atcttctcta aataagatta attaattata tgaacttaat tttatggaag  300
tctctcattt ctctanagct aaatattaaa ttaatttaac tatgaaagna cttaataatt  360
cacttacttt ctattt                                     376
  
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<210> 14269  
 <211> 500  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14269

ngggtaatgt agtnncnngt cgatnctata gcaannacan taaagcnaan cncnggnnaa 60  
 acaccctaag agtgggtggct cggngaagtt ctgggttgaa ggaaaagaac cgnnnccggg 120  
 gtatgaacta tattccaatg ggaacccttc acaatggcta tttggtaatt ataattttac 180  
 cctttttttg gcatgaatgg ttgaatatgg ttactcttct attcatgggc tctgaagaat 240  
 taaccattga atacctcaag cgagaaccag gggctattct ggataccaag ggtagaaatc 300  
 gcaattgatt gtgctagagg tctttgggtc ttacatacct accaaggagg atgcattggg 360  
 caccgtgata tcagggcaat ctttattaat tgaacatgac atgttccaaa attattattt 420  
 gggttactaa atctctagat atggatcaat gcttctatat ctaaaactta nggaatccct 480  
 atcaattggg tgacaatatn 500

<210> 14270  
 <211> 103  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14270

agctttgttt atttgggtctt cgccagtgaa aggatcgatg tgggtccgaa nagaggcaaa 60  
 tttgatcatc ctactaagac aactggaaaa actggggcca atg 103

<210> 14271  
 <211> 382  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14271

gaaagagatg gaccaacagc ttttcgtccg cggaatacac acccatcttt cggcaataca 60  
 tctggagatg cccttttgga catgtcgtcc ctttgtactt atcaaagtct ggtactttga 120  
 acttgggagg gatgacgatg ttgggcacga gacataaatc cgctaaatcc gagaatgggt 180  
 aattgccaaag gccctcgact gctcttaacc tctcttcaag cgctcaatc tttcccttat 240  
 cttccgcgaa gggaacagat tcttttacgg gtgtgggtga agccgggata tggcggacta 300  
 tgctcggttg gggtagttca tggngggacn gatctatgag gtggagcatg gggccaagat 360  
 gggtatctcc ttctcatcg tc 382

<210> 14272  
 <211> 285  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14272  
  
 agcttggttc tgtgtttcag aggaaannga cgcnggcaac gtatcaagag caatgctggc 60  
 acgactactg attcaactga tcatggtaga gagctagaaa tagttcatat gacactaaac 120  
 gaaaagttgg ctgatacaaa atttctcctc gtttaggatg acgtgtggga acgaaaggcg 180  
 gccttaatgg agaactgtgc tgaatgctcc ttgttatgga gctcagggaa gtacgatcct 240  
 tgccacgaca cgcagtgaag aagtggcttc tatcatgcgg gcaga 285

<210> 14273  
 <211> 445  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14273  
  
 ctacaataaa aaggaaatga ctgagagatg tttntattg gattgtaaac catgaaagca 60  
 ctcaacatga ccttgcaaaa cacaatgatt acggaacaat ggctctagat accatnttcg 120  
 ataaactgag agagaatatg atgagaaaaa gacgaagaaa aaaaatctaa tattattgat 180  
 atgaaaagtt agttggagtt agttataact gaggtattta tagacctcta catagttgaa 240  
 ctaaccataa ctgattctaa ctaatcccaa ctgacttcta actaactaat cctattgaga 300  
 tgcaaataga aaagttctta cactccctaa attactaact aacactagat gggatttgtt 360  
 agcaaaagct aacaaccctt acaatatgta tctatcactc aatgggtgat gttagcaaaa 420  
 gctaacaagc cttacaatta atata 445

<210> 14274  
 <211> 338  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14274

ccaccaaccc cacacaacca cacgatccaa aaacaacaag caacaactan naaannaana 60  
 gggaccctca acaccataaa annnngtggt nttgataaaa aaaaaaattt tttaaangaa 120  
 gaaaggggga gaaaaaaaaa aagaaaaaaaa aaaaagaang ggaaaaaaaaag aaaagaagag 180  
 agagaaaagg aagaaaaaaaa aaaaggaaaag aaaaaagaaa aagaaaagaa gaaaaaagaa 240  
 gaaaaggaaa gaaaaaagaa aaaagagaaa aaagaaaaaa aaagaaagaa gaaaaaaaag 300  
 gaagaaaaaa aaaagaaaaa aaaaaagaaa aaagaaaa 338

<210> 14275  
 <211> 384  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14275

cgacgaatct ggcagtactg ancacnnatt tatcannacn nccgnnggaa gaggaggagg 60  
 gagtttaatt cntnnnaanc annnacgggg cggggggtca aatacacaac ccacccccca 120  
 aaaaaacata atttcacccc gctccctcgc cgagtatcga gctaactaca taacggcaat 180  
 accgaagagg cacaaggtaa ggagaaaaac aactcaacta taggaatgta acgccagaac 240  
 acagactagg tggacgtaca caaagataaa ctccacagtc attgactgat taccaagtag 300  
 tgatgggcca acacaagcaa caaactagat gtaaagagca cgtgacgtcc gagccagcac 360  
 aaggataacg cgcaaatgca tttc 384

<210> 14276  
 <211> 405  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14276

agcttnagtc ntttttatct gcacaagget cttaaagggt gaagactatc cttgtggaac 60  
 cttcacccga cgaagacact gacaaaaact tatcttctcc ttcttggaca aagtatggca 120  
 ggctgggggc aagtaaatTT tcttcccatc agaccttgga tgcaactgtg atcgtatacc 180  
 catatcagct agatcttgaa gggatttcaa gccatccttc gtcttgctt gaagttaag 240  
 gagcgttcca atgacactat cacagacatn tttttccaca tgcataacat caatacaatg 300

tctaactgca agatcacacc agtactgaag atcaaagaan atggacctct tcttccatat 360  
gcaactttga cttttatcct tcttttgagt cttccaatac agtat 405

<210> 14277  
<211> 428  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 14277

gacaccaaag gataatgtat ggcttcactt gtnnnnnnctt tncattnnng ggctcaaaca 60  
tcatcacagc tcttcaactc ttcaccaaga cctcaatatt atttcatttt cccccctaata 120  
tctatgctnt caactctgtt caccgatttc aaatattctg agataagaca aattaccatc 180  
atatttagat attagcaacc agagtttcat tcaagataaa aagtacatta acacaaaaaac 240  
tttcaattgc aagtccacct gcaagattaa atagaaggcc aggcttttga acatagatac 300  
ccttcanata aattcaggca gaaacgatgg ttgaatatcc aacaaatcac attcttgcaa 360  
tctatagttc atttgaagca tatntaaaac ctcaaatacc tgtatgaaga aattcttctt 420  
ttgcattt 428

<210> 14278  
<211> 397  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 14278

ggtttgtctt ctntgttgaa cttanagagg taatttcata gttacttttg cttctctctt 60  
atcaaattct gagttataat tttcattttg cattttatta tttggcacag aaatcgttta 120  
gagatttggga agaactctgaa tatgaagatg ggggttatag gccatccctt agtccccgag 180  
agaggcgtgc cagaagacag ctaacaaaaa taacaaaaat gaatgacttc attcaatcat 240  
ctatgctntt cccaaagggtg tgggtgtggtg gaattgcttc cacaggacac gttttctatc 300  
ttctttnttt aattttaaaa agtttcaaata gagatatact ngctctatcta gttcggttgg 360  
cttcatttct ttctgttctg taattattcg tattatt 397

<210> 14279

<211> 444  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14279

actcaagcct aatgttntat tgatgatcat caacatattc aaagttttgt atacattggc 60  
 aagaagtggg gctccattgt tcactatgaa gttgataatt ggctctatat atggctctac 120  
 atcgctatta aaaacggatg tactgtgtgg gtaggcgggt gcagcaatga aagcagagta 180  
 tattgctgtt gacaccttga gtcggccatg caaattggct aatgaaattg ctntttgaat 240  
 gttggtcata gcaggtagaa tgtattggac cgacctcatt ggtattgggg ccaatttcgt 300  
 ttccaacaac gatgtactta aaattgacgt ctcgtagta ggggtgtcacg tacttattga 360  
 cccagtctct ggctgcatta gcgttngtca gagattgaag ggtatcctta gcaacgtcca 420  
 tgatcaactc aatgcctgaa cctc 444

<210> 14280  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14280

ggttttttgc tngttgcctt aaatagcttc aagcgggatg tatcatgaaa tatagtctaa 60  
 ttttatcatt atgtccatat tcgtggtgaa aagctgctcc tttttgttgt ataataaaaa 120  
 tactacaaat tacgcaagat gaatttgtat tataagataa tcaccgtaat tgtaattaa 180  
 tatctcattc tttatattta gtctctatta ttataacaac tatccaatta tatataaaca 240  
 tgtatgtatc gtgtgggggt ga 262

<210> 14281  
 <211> 361  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14281

acgcatgctn gacagagaag tattaggggc agagacattg tcctttagt tgtaacggat 60  
 tggcatacca gttaaagtgt ccaagatatt gtctcttct gaaccatctc taggagactc 120

gggcaacctt tgctttcttc tgtggtatct aactccccca aagaccagac cacaaatgac 180  
aagcaagggtt attatgacaa tgaccacaac aactatggtg tgcttattgc cacctccact 240  
gccccataa cccgtgccag cacctccaac cgtcgagacc ttgatgtaga gacataacca 300  
gaatcacaat cagggtttctg aaagcatcct acactgttca aaaggaaaca gtcccctgaa 360  
c 361

<210> 14282  
<211> 344  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14282

tctgcttgat ggtaaactag atgcttagtt aacctggtaa cccagctagc gttgaatcag 60  
aaatctatac ctgtcgcaaa agtctatggt ttatgctcct ctgncgacca ccacacagat 120  
cttttcctt ccatgcagca acctgaagca attgagcagc ttgaagctta tgctgcaaac 180  
atttacaaca gacctctca acctcagcag caaaatcaac cacagcagaa caattatgac 240  
ctctccagca acagatacaa tcccggatgg aggaatcacc ctaatctcag atggtctagc 300  
cctcaacaac aacaacagca gctgtctcct ttctttcaaa atga 344

<210> 14283  
<211> 382  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14283

tactaagctt ctttggactt gacaggcaac taactcctct ttantatcat gctatgtgct 60  
cgcgactggt ccccttcttc ccttcgcact tgagttcact atggctaccc catagagctc 120  
cgcgaaatth ggtcccgcca tactcttctt tgcgagccct cttggtctct cgttcaaggc 180  
tcttgcggtta attgcattct ctccccgtaa cccggcacac tccttccgaa cgtgtgtagc 240  
agccaacttg aacttctcct tggcgagttt tgcctttcct aactcgtttt tgagagcttg 300  
gacttctctg tctctttccg gtgcttcaaa attcccttct ctgacgactt ttaacttggc 360  
gagccaatct aaacctcgta tg 382

<210> 14284  
 <211> 294  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14284

ctcgggaata tccgggagat gtgtggacct ttatgganaa gtatggaagg atatggaagg 60  
 aagtagaaga gtgtaaagac tcctagatgt gtgagcatct agagaataat cttcacccaa 120  
 gatacagtaa tctccacatt cattgggagg ggagtgtata atagctaagt agagcctctt 180  
 cctattatca gacagagtaa tcatttttaa gtgaaaagct aaagtaagag cttttgaaga 240  
 aaataatact gaaaatttat tctagctgat gaccccgaga tgatcattat aacc 294

<210> 14285  
 <211> 480  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14285

aaaaaaggga gtggcttgat tngcggngna tatncanacn caagctatgg agggcattac 60  
 cttatggatc taaatttgag gggtnatttg accataagtc cctaaaaanat nggntggacc 120  
 aaaaaaacct aacattgagg caaagaaatt ggtaaaagtc cctaagggat accaatttga 180  
 gcctaactat tattccaggt aagcccatgg aataactgga ccctaagta aaaaattcct 240  
 ttcaatgggtt ggtttgatgg gtagagaagt ggaccctcta aaacaagtta aaaaccatta 300  
 atttggcatg gtgagatcac tttagtaaca ataaagtggg taatgtgaga agtcacaacg 360  
 aacttttgag cgagatctgg aggtcagaag ttgaccattc ttgcagcctg tagagtcata 420  
 tcgcaggaga gagagagttt agaggggact gatgagtctg aggttcagga anggttgcgn 480

<210> 14286  
 <211> 304  
 <212> DNA  
 <213> Glycine max

<400> 14286

tgacaggaaa ccctcatgc taattactga gtatctaaga ggggtatgca aataaaacat 60



aattccttca gatgtccacc tagttttggt ttaacaaact atgctttaa tgaatcctgt 120  
 tcattatata tgggtgaact catcatacct aaagaaaagg ccgctagtct gaactgctat 180  
 cactttccat gatattgcac gatggtgctt acatattatt ttcttattta tctctaaagg 240  
 aatatttgaa tgaagaaaat cattgaggag aagagaaaat atctactatg acattagcca 300  
 taaa 304

<210> 14287  
 <211> 515  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14287

naaaatcatg gactacngna ttagnattna cgtgacacta taaagcantg ngccgntgac 60  
 atcancacgg ntagctagta tcatgcacat aatttagaat tttcntcgct anaacgaggg 120  
 gngncggaga tngcgcgcct naagegcacc atcnntcac ttaagggccc aatgggctg 180  
 ttaagcatgt ctttgtgttg tgccctaata ccaaatactt ccctttattt catatttttn 240  
 tctattttct gcattttttt gacatttaac ctttcatttg catatctgca ggcataaata 300  
 agaaaaacat caattcttaa aattaaacat atataaatgc taaataaata cttttaaggg 360  
 tattttcatt ataaaaaata cctcatgttt accagttatc tttcaaccat ttctattgct 420  
 aaaatcaa at ccaatgcgcc agaccaaca tatctatgtt aaatttcatg ttatcacccc 480  
 aacaaaatga ttttaacaac actgaatcta atacg 515

<210> 14288  
 <211> 232  
 <212> DNA  
 <213> Glycine max  
 <400> 14288

accactacc ctagaatcaa aataactcat tgccattaaa ctagggaatt aaaaaaact 60  
 taatggctga gtgtaactga aattgtggca accaaaagtc aacccacag ccaacaagtc 120  
 acccaccatt ggggtctcaa aaggctgatg cctacgttgc aattgtgccc ttattacaag 180  
 ttgaactaga cctaactaaa gcccttttag ttgattaacc caaacataa tt 232

<210> 14289  
 <211> 374  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14289  
  
 taacggaagc tctcgagata tccaanggggt cttcatnttt tctcatcgta agtccgatcc 60  
 agaccgctta tattcccgag ccgctcaaaa ttgaaccacc gaagcctctg aaaaacctca 120  
 atgggcatta tttgtaacac cggagtccca ttcagggcgc ttatatattg agaagctcga 180  
 attgaaccac cggagccttc gagaatttca atggtcataa gtttgaaact gaggtccatt 240  
 cagcgcatat atatcgaaag catgaattga acacggaact ctgagaaatc aatgtcatat 300  
 ttgtccacga gtcgatcata tgctattacg aacctcgaat gacacggagc ttcgaaatca 360  
 atgtctactt caat 374

<210> 14290  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14290  
  
 gtaggggttac aggactttcc attagtccta taaattggcc atatactcag ccggtattag 60  
 gctcatgag ctttctcata ttaagcacct tacaggattt accttggtg actttccttt 120  
 aaatacttgg gtgttcaact tttatcatct aaattaaatg tatgtcatta tgctcccttg 180  
 ctttccaaga aaactggcct gattcangga tggagcaaga agtctttatc ttatgcangc 240  
 aagttagagt tgatcaaagc ag 262

<210> 14291  
 <211> 391  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14291  
  
 gaaacttaac tacttgctga aaaaaaaaaa cttctagaat ttaaccctat ctttttattt 60  
 taacaataga caattgcaaa aaaaaaatca agatttgaat tgactaaact ctataaactg 120

ggctgattaa ttatgagtta aacagtctta attatttaatt aataaatatt aataacattt 180  
 aaattgtaca gcataattta tactattcac agaggtattg gagggagaca gagagaaggg 240  
 aaccaacctg gtcttttggg aaagtagggc aacaacacca aagatganaa acataagaag 300  
 cattccagag tgctcaaagt cattcatgtg agcggngtta aggactccac caacaaaaat 360  
 cttgaggtgt ggtgaataca aaagctcgat g 391

<210> 14292  
 <211> 292  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14292

tttttgtctt tcttattcat tcaatatcga gcgttgcat atattatgga ctgaatcana 60  
 caaccgagta aaaagttatt gtagtttgaa gttgctcaga gcttcaactt tcaatatcga 120  
 gcgtttcgat atgttacggg actgaatcag acatcanaat aaaaagttat tgctgtttga 180  
 attatctcag agcttcagta ttcccatcgc agcgtctcga tatattacgg gactcaatca 240  
 gacatccgag taaaaagtta ttgtcgtttg aatttgctcc aagcttcaac at 292

<210> 14293  
 <211> 414  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14293

ttgagtcctt aaacaacaat aactgtttac tcgtttgttt gattgacacc tgtaatatat 60  
 ccagacgctc gaaattgaat accgaagctc tgagcaaatt caaacgacaa taagtttcta 120  
 ctcgatgtt cgattgactc tcgtaatata tcgaaacgct cgaaattgaa gaccgaagtt 180  
 ctgagcaaat tcaaacgact ataacttttt actcggtatg ctgattgagt cccgtagtat 240  
 atcgagacgc tccgacttga atgccgaagc tctgcgcaaa ttcanacgac aataactttt 300  
 ttctcggat gtctgattga gtcccgtaat atatcgagac gctcggactt gaatccttag 360  
 ctctgagcac atcaaagac ataactntta ctcgatgtca agtgagcccg aata 414

<210> 14294  
 <211> 349  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14294

atcttcttat ggaagcttct caaggaggtg agcttagtta tgagaggggt gtgtgtagct 60  
 aagctctagc ttctcaagga agttttctca aagaacctct cagggaagtt tctcaagaat 120  
 cttctcaaga agttacctag tctataatag agcatgtgaa cactggtgaa ctntgatgat 180  
 gagagcttgt aaacatactt caagttcact ttctctctct tctccttcat ttcggctccc 240  
 ccattctctt tcttctctt tcttttctca ttgaacatct tccagcttct atccaggctg 300  
 atcttggtgt gaagctcttc ttcattggcta tccctagggg tgggcctct 349

<210> 14295  
 <211> 435  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14295

tgacaatnng ggaagacaga tacactattg tttttatggg tcattgatag caattcagca 60  
 ggcactaagt ggttgacagc cctccactnt agtttagttac aacattccac tagtttagtta 120  
 tacaacatca ttctgttata accatttcca attctgttag aacaattagt ataagtatat 180  
 caagcagtgg aatgaataaa ggaatgagaa caattacctc aattagctnt ccttagttcc 240  
 ttagctgtag cagtagaata gagtagttat tcgtatcaga cattaacaag tgcaaattag 300  
 atatggaggc tngtagacaa cttgaagatc ctctcagttg ctcaatatat ggaattaaat 360  
 aaccacttaa actctttgct tcatcaagaa gagcactntt ggaagcaaag ggcgaaaatc 420  
 tattgggtga gtgat 435

<210> 14296  
 <211> 106  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14296

agctttgttt gcacttttca atggagnnga caggaagatc ttcgaactga tcaacacttg 60  
cacagtggcc aaagaagatt ggaagatcct gaaaatcact catgaa 106

<210> 14297  
<211> 410  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14297

gcttaacatt caattntgag cgtctcgata tatgactaga ctttatctta catccgagta 60  
aaaagttatt ttcgttgtaa ttggctcaga ggttcaacat tcaatttcga gcgtctcgct 120  
atattacggg actcaatcta acatccgagt aaaaagttat tgcgtttga attggctcag 180  
ggcttcaaca ttcaatttga gcgtctcgat atatgacgag actcaatcag acatccgcgt 240  
aanaagttat tgcgtttga attgtctcaa aggttaaaca ttcaatttcg agcgtctcga 300  
tatgttacgg gactcaatca gacatccgag taaaagcta ttgctgtttg aatttgctca 360  
gagattcaac attcaatttc gaacgtctcg atatattatg ggactcaatc 410

<210> 14298  
<211> 271  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14298

agtttagttt ttttncattc ncgtcggcag gagaagccta gatgtggctc tattcattca 60  
caggtaacag tctaaagaca tgggaggaag ttgttgagaa atttatgaat aaatacttcc 120  
ccgagtcaaa gctgcagaaa ggaaagctgc tattttatca tttcaccaac ttctgatga 180  
gtccttgagt gaagcattgg atatgtttcc gggtttgtaa gacagactcc cacacatgga 240  
ttctctgaac caattcagtt gaacatgttt a 271

<210> 14299  
<211> 404  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14299

gactaaacgg agtagtttaa gccatgtttg tntattagtc gtt nangcta tgttataaag 60  
tgaagcaaga catanataat gaggtgaaat taatatgagc cttgcaaagt caacaaggcc 120  
atgttagtcc aatgacaaga gctngngcta tgagaagtaa agggactatg gcaaacatag 180  
ttgctaaaat tcgtacaaca gtc atggtag caatgggaca gcatgggtct actagattga 240  
agctttgaaa gactaacgga gtagtttatg ccatgttttt tttttataag tcgttttaggc 300  
tatgttataa agtgaagcaa gacataaata atgcggtgaa attaatatga gccttgcaaa 360  
gtcaacaagg cctaatttgg gctgctagta gtttaagaat actt 404

<210> 14300  
<211> 441  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14300

agaggacaga aaagagaaaag aaagacagaa ggaaaaaaaa aaaacaaaca acnaaaaaaaaa 60  
aaaagaaaaga gaagtagctc tgagacatcg annacaaaaa nnnaagnagg gaaannagaa 120  
gaaagaaaaga agaaggtgtt atagtttagg gaannnnaag gggagaagaa gganagaagn 180  
natgaataaa gaaaaaagga gaaaaaagag agggaaaaga gagaagggaagg aggaaaaaaaa 240  
gaggggaagtg gaggtaagaa aaaggaagga aaaaaaaatg tgaaaaagat aaaaagagaa 300  
taagggaatg aagtgaggaa aatggaggag taggaaagaa agatgagngg aaagaaaatg 360  
gaaggggggaa ggtaagggga aaaaagggag aaaagggagg aagaagagga gaaaaaaaaa 420  
aagaaaaagg gaggaagaga g 441

<210> 14301  
<211> 340  
<212> DNA  
<213> Glycine max

<400> 14301

ctcgactcaa agaaagtc attagtctca tacaattaat atagaacctata tctctattg 60  
tcacatccta tcagagcgtg gtgttcccggt gtcctctagc atgaggttct tcatagtc at 120  
tcacctatatt atctgctcac ccgaacataa gttcaagatc atcacaggat ccatacaaaa 180

caacacacag ggagtgagtt atcacattcc tagctgatag agaaacaaga caattgaata 240  
 tacatattat ataaatgaga taccacttgc tttaacatag ctcacgtaac ttcaacactt 300  
 cgctattcac aattcactcg tcaattatca atcacattac 340

<210> 14302  
 <211> 353  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14302

tgtttgcttt ctncctttatt aatatnaact atcttccatt tttgagtatt tgggaccata 60  
 taatctagaa cgtaacttct catcatctca ttcaacctct taggctctta gctatggaca 120  
 tgatagtttg tcctaatttt tacttcaaca tgctcgtttg gacgtggtgg tcattttgtg 180  
 acaacagtgc aagtaggaga tgctgattct ttccctttct gcttcaagtg ttgggtgttg 240  
 gcggttgagg actcgtgctt gtgcgtctcc ccaattttat cggaagctnt ctgatcaact 300  
 cgaaccgatg atcaggatag attcaaattt tgtgtgaatt ttccccacaa tgg 353

<210> 14303  
 <211> 402  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14303

agcagttgca gaagtcaatg tatgtgctaa tgactattat cattnatatc ttacctattt 60  
 tgaattatgg ccttggtttg tgtgtctaga ttggcaccag actcctacat acacaatatc 120  
 tttcattgca agcttagcag tagtcccaaa acccaatggt tatgcgcaac caagtgtcat 180  
 gatttctata ttaccaattn tgctagttgt taatgttgaa tcatagtttt ggtctctcat 240  
 ttagcattca tctcatattg taaacttatt ccgtgtcgtc cagatttana acaaacttct 300  
 cttactttat ttcanaatca ttcttttggt taccttacia ctcactcaac tctatcatta 360  
 ccctttttca atatgcagaa ttaccaacat gcaaacaaat ct 402

<210> 14304  
 <211> 179  
 <212> DNA

<213> Glycine max

<400> 14304

ttgtctcctt gttatgtaat aatgcctttc caggattgac ctttaccatt aaaacaattg 60  
gcggaattg gaatcctaag gttaattttg ttgtgatgaa gggttcacca ctaatgaacc 120  
ctactgctag tctgttggtt aagcaaaatc acccccatcc aattgtagc tcaaggtga 179

<210> 14305

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14305

tcatggttca gtgtcatgtt gatcatgaca ataaagtata ttggatttg accatgaact 60  
agttttaagt ttacttggtt atatagtttt ttgtataaa attatctttc aattntgaat 120  
agcatagtaa cacctatttt agaacaccaa aacanaattt taagaggcta ctatcgtgta 180  
agtacaaaat tttccctggt ctgtaaactc aaggtaaaaa cacctgcttt catacaaaaa 240  
acgaccaaag aatatggcat aactagtttt aagtttactt ggtaatatag tttttttgta 300  
taaaattatc tttcaatttt gaatagcata gtaacaccta ttttagaaca ccaaaacaaa 360  
attttagaag gctactatcg tgtagtacia aattttccct gttctgtaaa ctcaaggtaa 420  
aaacacctgc tttca 435

<210> 14306

<211> 237

<212> DNA

<213> Glycine max

<400> 14306

tttgtcttat cttgattagt gacaaaaaca cagtggctaa tataggcttt ttggaacaca 60  
ctccttttat attataatat attagaaaga ataaaattag tcaataaaat cagtaaataa 120  
gatatgagac ccacaaattt tgatgatttt tctttataaa tttcaaccaa taaaagaata 180  
tgtggttaaca ttttctatgc aagctgtatc attttctctg tatcaaggga attaca 237

<210> 14307

<211> 439



<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14307

actaccctga gaaccacaag gagtcattga tgctacttga atatctggag ggacaaagng 60  
 cagcatccag aattagtttt gagaaccatc aatttaagac catccttggt caagacaaca 120  
 cattcaacca ctttcatgat cagaattttt atagctcttt atacaataaa acatgagaac 180  
 atagcaacca tgaacatgct gagaatcatg aaaatacatt cctctttctc tgttgcaaac 240  
 cgaaacctta atccgtaaaa atgaaggaa atatacatc catatgcgca gtgatctcaa 300  
 tagatagtca aatactcaca aagattcata tgtagtcata aacaaattat ataacttgta 360  
 attctcatta taattgaaca actgccatag aagtttgtat ataataataa atacgacagc 420  
 attatagtca tggttatatt 439

<210> 14308  
 <211> 420  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14308

ttcaacctct cttcaatatc cttaacccca ccaaaacaaa ccgtgggggg cagtgttcta 60  
 tttctgattg gcttgcccct ttttccgcac atcctgcaaa aatanaacat aatctttcaa 120  
 attggtagaa tgaattataa caatttaatg ttttttgaaa aacaacttaa atggcaaggt 180  
 acataccttc caaaaagggg ctttgcgagt ctggcaaaac tgggcccatt tttccttgct 240  
 tatgtcgtat ntctcacgga cagtgtcggt cacaccgtcc tgatcggctg caagggccta 300  
 tntccttggt aggtctgatn taaactgcct ccactctctg ccgacagtct gaagtaactt 360  
 gttttttgtc ctactatcag aagcctctgg gatttcaaaa tccgcttgac aataacaaat 420

<210> 14309  
 <211> 497  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14309

agagatgatg gccttganac cncccnatag taacatcctg acgaannngn gatngnggat 60  
 ttggccggag atgtggatgt tatataagtc ctaccggatt ggaatttttg atgggtgatt 120  
 ggtgtnttta ccatggagtn ctaaagaagc aaagacattt gtgacacttt ttactttgtg 180  
 aagccgagta tgtagctgca acttcttgca catgtcatgc catttggtt agaagattgt 240  
 ggaagaactt cagttgttgc aaaaggaaag cacaaagatc tatattgata atagatctgc 300  
 acaagagctt gccaagaatc cgggtgtcca tgaacgaagt aagtatatag atacaaggta 360  
 gcatttcatt agagagtgc ttaccaaaaa aagaagtaga atngactcat gtgaaaactc 420  
 aagatcaagt tgcggatatt ntcaccaagc ctctcaaatt ttgaagattt tcgaagattg 480  
 gcgagcagac ttggtgg 497

<210> 14310  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<400> 14310

atctgcaatg caatatgtct cctgtcagac actctgagtg tactctcaca agaacatcat 60  
 gtccgtctcc aatgtcacc tgtcaaataa aaaatgtcag aaccactcaa tggtttgaag 120  
 ttgacaattg aaccaatcaa tcgaagtaag atagcttcaa gacaattgga aaagctcgcc 180  
 aaagcccacg tatgcatcac attgtcaggt ctactcacta tctactaatg 230

<210> 14311  
 <211> 217  
 <212> DNA  
 <213> Glycine max

<400> 14311

aaacaccgcc actttccata tgcttgtcag tgtttacgtg gccaaataaa aggggtgtgtg 60  
 aaacatcatg atccctacaa attgatctac ctacacataa ctaaaagacg actctgacat 120  
 ttcggaaatc tcaaagcttg aaatcttatg atttcattct gaggctttat accactttat 180  
 tagtatctta tattggaaaa aagccaacgt acctttc 217

<210> 14312  
 <211> 331  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14312

cacccgnngt gagacaacat acactgtgac tatgaaccta cacacaaaca ttcattttct 60  
ttatgtaaaa aactctatat aaatgtctat ataactccgc aaaataactt gattatctta 120  
agaaaaatga ctaaaggcta agattgtata ttctgtatgta agacaattaa cagcccgta 180  
ttgtgcacac aaataacaaa tgtgtntgat tcatataaag gctaatacaa ttgtatattc 240  
atatgtaaga agattaaaac ctagccattg tacaacaaaa cagcgactc atttgattta 300  
tgtagagtca acaatggctc tgtaagacaa a 331

<210> 14313

<211> 254

<212> DNA

<213> Glycine max

<400> 14313

ctactgatca ccagaatgaa cttgggtttat tggtttctct gcttggcctc agatgctact 60  
aatcaatgc tgattgtatc atcacacctc tagactgcat ttctagttaa ttctcatata 120  
gcttcagcca taacttacag ccgcatacac acaattatct tttccatgtg acaacaacta 180  
cactctgttt ttgaccaca gatgggagtc caattgaaaa ctaccagagt gcttttctat 240  
ctcttatacc accc 254

<210> 14314

<211> 354

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14314

ggcacaaata ccatatttct atactctaaa cctctaattc aggttccgag tgtttgacaa 60  
aagagtctct gacataatct taaaactaat gatataaaaa aattaatatt tcttgtggaa 120  
ctaaatttgc tagaaaattc acatgaaact ttatcctaatt tttcctacca cattattata 180  
atattaataa attttacctt ccaatacatg tccacaagaa aatcgtaggt atttcttgca 240  
aattatatat ccaataacat ccgcacgtat ttcttatgga tcttcttcan ataaaaatct 300

gcacgaatat cttgtggatt attntncaca gataaattcg ccagaaatta tcac 354

<210> 14315  
<211> 402  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14315

ttttcacttg tgtacttgat ggagttggag ttattttcga tgatctcatt ctttccttta 60  
gtcccaattt tgaacaatct ctagtgccat gtgttanggt gtaatcaaca ttatataatg 120  
tcttactata gatgaacata agagaaaagc atgagccaat agcaaacctg aaaggaactc 180  
ttcttatcta ctggactatc atatgacttc atatgaagcg tgatggagtc aaaataaaga 240  
attaaggctg attctgcaag aaccatgagt ccacatatcc caagtagtgc agcaacacaa 300  
attgacctaa gtaaacattg attttccacc accgttcgat cctgtcaaca gaaataatga 360  
ttatatatca acatcattac gcataacacc ttatgctatg tg 402

<210> 14316  
<211> 312  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14316

aatcctcatc ctgcgaaatc ttgaatncgc aggcaactgctc tcaccctect ccaaaactat 60  
tgatgactct aagaacgcgt acaagctgctc agcatcaatc ttaattgaat gtactcttac 120  
cctcacttgc ttagggctct ggtcttacga gctgtataag aaagcataaa actccttcac 180  
catagctaca tctatgcttg catcttggag attggcgaga cgtttgtgta agttacgcct 240  
ttacaactct gccttanact cgtcacattc ggtatgatga atcttaacat tcctttacag 300  
aatgatcctc cg 312

<210> 14317  
<211> 491  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14317

nggctcaaca atacgaacgt cnacatccna aannnagccn gagcccaaat ccacctcaca 60  
 taaacataga cccggggttag tatttttttcc ttaccctcgg aagcaaaaaa caagagacgg 120  
 aaaatttcct ttccaacaaa aagactgaga aggaaatttc cctatccaaa tgaaataaga 180  
 tagagagaat gaaaattttc actcactgga aaaaagagag gaaaggatat tccaatcta 240  
 atagtgggag atagcgaana caagagaaaag gaaattccca tccaacgaat ggtagaaatg 300  
 aagacaatga acgagagata gctcctgggc aaggatcaca ctaaaacaga acatatgtgc 360  
 agaaaggctt ttggaccgga caatatctga acaatacaga cttgtcacta aatgaacgaa 420  
 aagaatgaaa ggaaaccatg acctacagtg gtcttcttcc ttttaattgcc aaccaaattct 480  
 tgtgtgctac g 491

<210> 14318  
 <211> 416  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14318

agcttatttc atatttcctt acgaacgttc acttgcgcaa gacatcctat taactaatac 60  
 aaatgcaccc atatacaatc aaggtagctt cattacctag attatttaca tgtacttcca 120  
 aggtgtatat gttatttaca tcacacacgc ctcttgggt aaatttacat acatgcatac 180  
 tcaaagcatt tcgggggtacc aaaaattgca catgcgctca tcttggtatt tctaatacct 240  
 atacatatac aaacttcatg atgaatcttg actacctacg caataagggtg ctacatttca 300  
 tgctgttttt tttcaagttt ttgtaccta aagccacatg caaattcaag catattttcc 360  
 tttgtgact aaaantgtat tcaaagtaga aggtacatat cttttttgta atatgt 416

<210> 14319  
 <211> 482  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14319

cgccgctacg tgcttgagat ttcgaaanact tagtanaatn tcgngncccc ngagangagg 60  
 cnaaagagca tatgttcccc ttgtttatca tctccccac aatcttaaga ggggtgggtg 120

ggtgaataca tacactccta actatcccta cacataaaca tctatctcac tttttattca 180  
 acgttataac tccctcaata atgaactctt tccctattga ttttaataga acaattcgag 240  
 tacgaatctt gtgccataat gaacacccga gaatcttgca agataacaga ccagctcaaa 300  
 ttcttactcg aactgccgca cctctgacc tacctccagt tctccatcac accgcttggtg 360  
 aatcccatca tcttgccctt cctctacaa agtctgcaca cgctgggata ctctcacct 420  
 taggtgtgaa ttcttttctca cctatgaccc ccgtctctta tcccatgcga actaagcaat 480  
 at 482

<210> 14320  
 <211> 394  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14320

gtggccagtg cagatgacat accaaactgc aattttgcac atgaatcata gataagatta 60  
 aaaaatcaaa aataaatgtc acatggcaaa atagccatga taacaataat aattgttcgt 120  
 tcttctatag actaaaacac cagattcccc acatatgaga aaatctatga aacaccaata 180  
 cttcaatttg ctttgccctat ccgtattcga tttgtttacg atactaatac tcttaattgg 240  
 atactntacg tatatataga tattgttgaa gtattactac taaaaaatg atatttagta 300  
 atattttttt atcaacacta aataaaaatg ttactaaaag cctttgacga catttaattt 360  
 ttttacaaaa tgatgaataa atgttattaa tata 394

<210> 14321  
 <211> 376  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14321

tcnggttgct cattgactcc agattgctgc anagaaggac atatatttgt atggtgatct 60  
 gcagaagaac atagaccata gctcttgcaa caagtatata tttctgattc atggcaagct 120  
 gagttactan gttgaccaag gcatcaagtt ttctttcaag ctttttattt tcagtagatg 180  
 aagatgaatt catggccacc tcatggactc ctctaagaac aatggcatca tttcttgcac 240

tgaattgttg ggagttggaa gccatcttct caatcaaact cctagcccca gcatgggtca 300  
 tatcaccaag agctccacca ctggcagcat caatcatact cctctccatg tngctaagtc 360  
 cctcatagaa atattg 376

<210> 14322  
 <211> 415  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14322

agcttatgtt tctattttg caatgttatt tcccagattt gagtagcatc tctactatga 60  
 taccagttat gaaaacaatg cacgaattct aaaatgcaac acttagcaga aggggtcaatt 120  
 tgtaaagtgc atatagcaat tcaattctaa tccatatata acgtatttta tatatattca 180  
 tattccccaag gagtctactt ttcaaataata attttatttt catcaaactg tatgtgaatc 240  
 aaacaaagta aaaaactatg tgaagtatgt caaagttgaa atttgtaaaa cagcatgtgt 300  
 gcacaaactt tcaacaccaa ataatttaga aatgactcta agagcccata ctcatggagg 360  
 ataacctncc anaccaaaat tgacattaaa gaanatagaa actctcaata ccttg 415

<210> 14323  
 <211> 352  
 <212> DNA  
 <213> Glycine max

<400> 14323

gctttaggag aaaccatcaa aactaaagta gtgcctaaac ttatatattt gaggaagctt 60  
 cgccgagtgt ccccatgtgaa aaacctttat tcaaaccttt caaagttagt gataaggcta 120  
 aacgaaaaat tatggaactt agaaaaacta aatccttaat tgaaggcgta agtgacaatc 180  
 atagcgaatt actaaacaag attagtagtt tgcttaaggt cattccatat actccccaag 240  
 cttctgaaaa tacttccaaa atggtaacaa gaaagacctc caaattaatt aattgtatga 300  
 atgaagatag tgacacaaac ttatataaca caactgagat aggatcagtg tc 352

<210> 14324  
 <211> 355  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14324

agcttttctca tacatacgaa gattttgtga gtntacaaac catgttgtca ttcttgacaa 60  
gataaccaag aggcattgtcc atgtatactc cctcaatcaa atcactattg agaaacacat 120  
tatttaaatac aagctgaaac atgttccaat ttctgtgagg tgcaatggaa agaaacactc 180  
tcattgccgt atgcttggca acaagtgaga aagtgtccaa aaaatcgatc tctgcttgtt 240  
gtttgatgtg tgtacccttt tgcaacaaga cgagccttgt atctatcaag ggagccatct 300  
gctctatact tgaccttata aatccatctg caactgatgg gtcttttata ggggtg 355

<210> 14325

<211> 325

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14325

tcnggggtttg ctctgtcttc tctcgtgagt ataagttctg gtgattgtgg tttccgtctg 60  
ataaagagaa gaacgtatac tatgctgtga gtacaaagca tatagatgca catgattggc 120  
catatgtaat attgaaagat gaaaacacat caagaacagc caaaaagagg aacaagaatg 180  
tgagatcaaa agatgaattc catacttggg tatcttaatt gcttcattga tggatcgatc 240  
gtaatcatct gcaatgacag cgacgtcaaa agttagctca atgtgggatc agcttatact 300  
gatactaaag aaataaagtt tactt 325

<210> 14326

<211> 413

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14326

ttcttgtatg aagaaggaga tgaatgaacg gagagggaga gaagagcacg aaattntgtg 60  
ctcaaaaaga gctctgagat ctgaagttaa tattcaaag atcaaagttg agaaaaatgc 120  
acacacatga cctctattta tagcctaagt gtcacacaaa attggaggga aattcaaatt 180  
tcacttgaat ttgtggagcc aaactttgga gccaaaattt aactaattat gattcgtgaa 240



tgtaggttat ggttcagccc actaatccaa gatcaattcc aagattctcc actaagtgtg 300  
 cttaggtgtc atgaggcatg anaagcatga aggacatgca cagagtgtga ctatatgatg 360  
 tggcaatggn gtatagtaag caaatgctca cctctccctc taaaattaat tgg 413

<210> 14327  
 <211> 384  
 <212> DNA  
 <213> Glycine max

<400> 14327

aacatacaca actcaagctt caatgaggtc cttcaatggt gattttcagc tatggattta 60  
 tcgaggaaga taaagaagaa gaggagagag gaggcacat ccactagaga ataagccatg 120  
 gaaggaggag ttccacgcca atagagtgtc ttggataata aacttataga ggaagcttca 180  
 atggaggaag agaattgagag agataaaggg ggggctcgaa attgaatgag aaaaaaggg 240  
 agagaagttg aactctgaag tgtgtctcac aagttccctg agaaacttcc ttgagaaact 300  
 tccttgagaa gcttccttga gacacttgct taacaagctt ccttgagaag ctagagctta 360  
 tatatacaca cccctctaata atct 384

<210> 14328  
 <211> 426  
 <212> DNA  
 <213> Glycine max

<400> 14328

ttcttgtttc tcgtggctag tgtgtgggaa tgtgttgagg gttcgatgaa acctggtatt 60  
 tataggagtg aagcgtagtt gcaggtcctt gtgacacct ctaccctca catatatatt 120  
 aataaaggaa taaaaattca aatattaatt aaaagtattg ttaaaacatt tttaaataca 180  
 agctcttcaa atggataaaa ggctcacatt cactctcttc tacatcatat tcaaatttgt 240  
 ccaaataaat aataaagtca tctcgactca aagaatatca tataagtctc atacaattaa 300  
 tatagaacct atatcctaata gtcacatctt atcagagcgt ggtgttcccg tgtcctctag 360  
 catgaggatc ttcatagtca tccacctatt catctgctcc cccgaacaca agttcaagat 420  
 catcac 426

<210> 14329  
 <211> 324  
 <212> DNA  
 <213> Glycine max

<400> 14329

catagaaact aagcttacat cagatttagt atgatgcact aacctataat attattctta 60  
 atgccaataa cctaaggaat taaaataact taatggctga gtgtaactga aattgtggca 120  
 accaaaagtc accccaaca gccatcaagc cagccaccat ttggtctccc aaaaggctga 180  
 tgcctaagtt gccaatggg cccttattaa aacttgaact aaaccaaact aaagcccttt 240  
 taattgatta acccaaacca tatttttggg cagccaactt tacaaggatt gggccattat 300  
 ttagacaaac taaacactct aaaa 324

<210> 14330  
 <211> 343  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14330

aaccttttca cacaaggatg ctattggtaa tcaaaattcc tagagctctt ttaataattt 60  
 tacttctcta tcacatcatt cttctttcgt tacttatata tcatggctta aaaactatta 120  
 ggagaaatth aagtgataat tcatatacaa gtntatgaat attgattctg ttactcatta 180  
 attatcatgc aatntgngac caaacttggc tagttgggaa gctttgatac ggggaagatt 240  
 acattgacaa attgttcgat ctttaantttt cattgtcata cagaatcagt actagttcat 300  
 agttatacaa acaataactg agatgggaaa ttaatatata tta 343

<210> 14331  
 <211> 467  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14331

ggcatttgga cangttgatc gtcgnactga nacanagcnn gccatgggtg ggtcgcggaa 60  
 tctaacgaac caattaaccc ttaattctct gcctcacacc tctgaactgg cagtcggagt 120  
 ctgaggcctt ccttttctct catccccctt ttctcgaacc ttttggcgga gccttgtgaa 180

tcacttccac cccattttct ctaaaccag ttgtggctgc tgggtgtactc cctccacttt 240  
tcaagtgtgt cttncacata aacacttcca ccgttgcgtc tctttcgga tttcctctcc 300  
ctgcagccat tccaaaacca acaaatgaac aaaatatttg taacttcaact cttactttct 360  
tcaacaaatc ggtagcttag ttccacagta caaagaaaac tcttatagaa gctaagaaac 420  
aagctatgcg caccacaatt cataaataaa tgggttgaat gatagaa 467

<210> 14332  
<211> 526  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14332

aaaanttatc cccgattgcc gnatctntct gggaattct agcancgtag cagccgacg 60  
catcctatac agaccagcct gcatgcaagc atgctcngtg naatcganct cactagacac 120  
ggatggaacg aactagtga cgagncacac tttctttata ctgaagctt ttttaatgac 180  
agcgcttagt aaacaaacaa cttattaggt ctcatctatt ccatgtgatg gcctaagaat 240  
gaactgcctc ggactaataa caaacatggt gaaggagcca aacagacgac gatccgatcc 300  
ttgcatgcct tttatacgac atagaacact ccctatcgct gtactagtgc cacacctaca 360  
accaattgct cgaagccaag gagagtaacg catcaatgtc ttctatacat acccatacat 420  
gtataactg ctgccgacgt ggcaatagca tatggctctg cgcacaagcg tgagataaaa 480  
ctttctactg aagaatggct cgtgttaca caagcctatg aatgcg 526

<210> 14333  
<211> 382  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14333

aatacttaag ttatctcata ataaacaaca gcggacggga aaaaagagag agattagtct 60  
aaaaaacggc cccagggcgg gggaaggccc cccaccacaa cgagaaaccc cgaaggggaa 120  
acgccccac cggaacacaa ccgctaaagg aaaaccggcc acgaacacaa ggccacctac 180  
ggggcgccaa gagcccaaaa acggcaacag agagaacaag ccggcgcgca aangggagga 240

```
acgcaaccgc gcaagcacca caccgggcaa gggaccacc caaaaccagc tgtaacgata 300
ccgaacagga cacaacagcc cccaagacag cgcgaccaga catcaacaaa agagcgcgat 360
aaaggtcag atccacacac ga 382
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acactggcac ttgatttctg ttgttgagtc ttcccatact gctggagatg tctccataac 420  
atggtgggct ccaacgtagc gttgtcctga gatgtcn 457

<210> 14336  
<211> 516  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 14336

aggagtcgac agcctcatnn nccacgacta ttcagctcgg cacccgagct cctattagac 60  
tgccctgcatg cagagccgct atgtttgtgt tntctcaaca gggggaggcc tcgagagaga 120  
tgccgcttct cctttatatg gcaggagaat attccttctg tctaaccacaa tgcttcagcc 180  
aaagaaccga aaagctcatt atgctttag gccacaagag aggttaaagt atgacacgat 240  
actagtttct tgacatagaa cgaaaaatga atcgctcgca tgctagggaa gcgccttaag 300  
acccaagtta taagcttaga ccagctatct ttctgtctta actaactttt ctcttatatt 360  
gctgtatata tgctaattct tggagccttt tcaggcccag cattaatagg aaagaatctt 420  
agacatagta aataatgttg caccaatctg cactgtcctg attcataaac ttgaactgtg 480  
gcttacacat acatatatac aactctctct atgcan 516

<210> 14337  
<211> 497  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 14337

nnntttaacc aattcangan gtacttgctg cgatacaata naanaccna gcatacatag 60  
ctggaggatt tacttgatgg aatacaagta tgcttttcaa tgctctttat cactatgaat 120  
ctgctagtgt gcttctgata ttggagagat gaagggatct ggatcttctc attcctaagc 180  
ttaatagcaa gagaactaat aagatttagg ctaatagctt tttgtgattg aacaagacat 240  
ttatttaagt aagacatgga gagaacaaaa gttgagaata aagcatccta gcaagaaact 300  
tacagaagaa naaatttaga aactaataga ttgagtcatg tagcaaggca tgccaatctc 360  
tctgcatata anatccatga gaataactat gttccaagtg ttggatggag aagttcctta 420

aaaaattcag cattcctttc ctccaaagac accaccaagc agcaaattcag accactgcc 480  
cagattctta ttttctt 497

<210> 14338  
<211> 360  
<212> DNA  
<213> Glycine max  
  
<400> 14338

ccccaatcct ggcaaactgc aaccttttagg ctttgaattt tgacttgatc gaaccttttc 60  
ttatgaaagg gtgattgatt cgatcccatg ttttttctag aatgaaaaat tctgtttgaa 120  
tcaaactttg acaccctatc atggaggaaa tatgatcaat gcatgaagga atgcttatgc 180  
tatgcatgac acaaatgcat tgtgcagaca caagagcccg aaagatcatc tcttcttacc 240  
cactaacatt caggcatcat gattcatttg cagtcatcac cacagtgcc catgtatgca 300  
tataataatg tgatgtggac cttccaactt cccgtgacat aatgatgaga catatgtaac 360

<210> 14339  
<211> 354  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 14339

aaaccatgaa acaaatttct ctgtattagc tatatcaatg aaagtgggaa tgttaagttt 60  
tgtgcctgaa cctctggccg tgcaaacatt gagagatatt gcggcactaa agtacttaag 120  
taatcttcca aggtcactcg tctaggatga ctcagaanag tgagcctctt caaagactga 180  
tgctactggt ctgtcgtgca aaagctttct ttttctctct acattgtttc ttctaaaggt 240  
gacttcaatt tctaaatcca atggaaccaa ttcacctgca aaagatctac gcatacaaac 300  
actaacagga acaacagtta accaattcaa gaagaaaata aattttggac taaa 354

<210> 14340  
<211> 425  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 14340

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 ctgtttctga ataaatcaaa agatgtaact cttcaaaagg ttcttgaatt nttcaaattg 120  
 gttttaagtt cttctaaaag ttataactct tctaaatggg tgtcttgacc agacatgaag 180  
 agtctataaa aacaaggctt tgttttgcac ttcaattatc ttgaacactt attcatacaa 240  
 tcctttataa gccttaaatac tctttgaact tcttcttctt ctttgtacca aaagctntct 300  
 gaagttttct ggttttccaa agcttgaaaa cttgtgctat tcactttttc attctcttct 360  
 ccctttgcca aaaagaattc tccaaggact aaccgctga attctntttg tatctctctt 420  
 ctccc 425

<210> 14341  
 <211> 398  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14341

tgacaaattc cttnggataa aggtagtgtt gccatgtttt caaagcccgt actaaggcat 60  
 acaactcctt atcataagtt gaatagttaa aggtaagacc acttaacttt tcaactaaaat 120  
 aagcaattgg atgaccttct tgcacaaaca cagccccaat cccaacattt gaagcatcac 180  
 actcaattta aaaagatttt tgaaagtttg gcaatgcaag tatgggggca ttagttagct 240  
 tttgcttaag aacattgaaa tcttcttctt gtttctctcc ccattagaaa ccaacatttt 300  
 tttagcactt cattgagagg tgctgccaat gtgctaaaat ccttcacaaa tcgtctataa 360  
 aatcttgcta aaccatgaaa actcctcacc tcggtcac 398

<210> 14342  
 <211> 428  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14342

agcttgtctt tctatgagct tactagtngg gtatgtgggtg ttctactgac aagtcacata 60  
 ttctttatac tngaagcttt tntaaataaa atgcatattt ggaaaaaat tattgattct 120  
 cattccttaa atttgatggg ttaggtatct tctgtttgca gataaataac aaaatatttt 180

[illegible]

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<223>      unsure at all n locations
<400>      14343
```

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<210>      14344
<211>      434
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      14344
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aaatttatag acctattctt gaatcatgnt tttgtgttga ttntaggttc tatcattntc 420  
agtcataatc tttt 434

<210> 14345  
<211> 423  
<212> DNA  
<213> Glycine max  
<400> 14345

cgatactata aaaccagct taatagatgg tggctctatta tgccggaggc atcctattgt 60  
ttcttaaagt tttgggtcgt cttctttgtg ggaaagataa ggaagtatgg gaaagtcagc 120  
tacacaaact tgaaaacatg ccaaatacag atatttacca tgcaatgaga ttgagttttg 180  
atgatctaga tcgcaaagaa cagaagattc ttttagatct tgcatgtttc ttcataagat 240  
tgaatttgaa actggacagc ataaaagttt tattgaaaga caatgaaaga gatgattcag 300  
tggttgctgg gttagaaagg ttgaaagata aagctcttgt aaccatttct gaagataatg 360  
ctatatctat gcacgatatc atacaagaaa tggcttggga gattgtgcgc caagaatcaa 420  
ttg 423

<210> 14346  
<211> 388  
<212> DNA  
<213> Glycine max  
<400> 14346

agctttgatg cattttatgg agaggttaat gaaacaacga gatgatgcgc tccatgagag 60  
gttggatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaatga 120  
tgggtgttct agacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180  
aaagaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatg ttttctcatg 240  
ccacaactat gaggaggacc agaaggtgaa gcttgccgcc acggagtttt ccgactatgc 300  
tcttatgtgg tggaacaagc tacaaaagga gagagcaaga aatgaagagc caatgggttga 360  
tacatggacg gagatgaaaa agatcatg 388

<210> 14347  
<211> 430

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14347  
  
 ctagatgagt tatgtctgcg aatcgacatc cggttaaatt attgaccatt ggaatnnctc 60  
 gagtccttcc gttgtttaat ttcaagcgtc tcgatanntt atgtccctca atcagacatc 120  
 ggagcgaaat gttatgacca ttcaatttgt cgagaggctc cggttttcaa tttcgaacgt 180  
 ctagatgaat tatgtcaccg aatcagacat ctgagggaaa tggtatgaac attcgaatgt 240  
 gtcgagagcg ttcggttggtc aatttcgagc gtctagatga gttatgtcag cgaatcggac 300  
 atccgtgtaa aaaagtatga ccattcaagc tttgtcgaga gcttccgttg tcaatttcga 360  
 ccgtctcata tatatgtccc cgatcggact cgggtgcaag tatgacattg gactttgcag 420  
 agctccgtgg 430

<210> 14348  
 <211> 429  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14348  
  
 agctncattt tatcatcttt atccatctca tcaacgtttc caactgtagg ctctccaacc 60  
 attatccatt catgatcaac aaacctcatt ccaagcttct taagatgtct ttcgataatc 120  
 tcactagagg ctttggtaaa gtacacaatc tcattagaga tatcaacctt gaaatagtca 180  
 atgaatcttg aggggaagtac aacataagga aattcataat ccaccaggcg acgacacttt 240  
 agcacaatgt cttcaatcag tagtacccaa ttcattctga tacctaattt caaaccataa 300  
 gctatctata gatcatcatt cattaccoga gcatgattac ttcacctaag ttagagaatg 360  
 taggcgatga ggtatactaa tattgtgtcc tctgaaatca gtccaccaac tcctaaacga 420  
 atcctcaaa 429

<210> 14349  
 <211> 375  
 <212> DNA  
 <213> Glycine max  
  
 <400> 14349

gatgaatcaa gattgtaggg agagtgtgat tatatTTTTa tgatgacaaa aagctaaaaa 60  
 gtggagaaca attcatgata acaaaagtca agaatcaaag aatgagttca agattgaatc 120  
 aagaacactt caaggttcaa aaggaaattt gatttcaaga atcaagaatc aagaatcaag 180  
 tttcaagatt caagttccaa gaattaagat caagatgcaa gactaaagat tcaagaatca 240  
 agagaagact caatcaagat aagtattaaa aagtttttca taaattgagt agcacatgaa 300  
 tttttctcaa aagcctctta ccgaagagtg tttactctct ggtaatcgat taccacattg 360  
 tcgtgatcta ttact 375

<210> 14350  
 <211> 386  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14350

agtttttatt ccccttctaa atgatagact catagtacag aagtagaagc aacattcatt 60  
 ttaataatgt gcttttaaaca tgcaagacag atttgattac aacataataa atgagataat 120  
 ggaacagaga atgcgtacac aactgtatac tgggttcagca atgggtggaca cacataaatg 180  
 tgagaggtat ctagagatat catccattta gatattatac atcgtggcgg tagggactat 240  
 cagcgacatc gtatcattaa agagaaacac tctagatgag gcttcactag tatcaagcga 300  
 gtcgaagacc tagcatgacc acagatcaac cttcactttc tatgtctgca cggacccgga 360  
 tatanggccc aataactcac tatgtg 386

<210> 14351  
 <211> 314  
 <212> DNA  
 <213> Glycine max  
 <400> 14351

gtgcttctac acaagagcca ttaaagcact gtttttgtat ttttaaagca tagttttaga 60  
 gggagagtaa aaaatatatc acaaggagaa gctaaagcga caacaagttt ttggtaagag 120  
 agcttacgtt agaggaatga agtttagggt ttagaggtta gaaaaaacat cctcgaccag 180  
 cctttgtcat tttatttcac tcaaaacca tcctttcttg tattgagcat attgcttggg 240

atggaaggct aagcctatat gatgagaacg tctgctgaaa ccttgatgta acactctgtc 300  
actatctata taat 314

<210> 14352  
<211> 395  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14352

agcttcattt gaatcaaagg tgattcanag gtgttttgat gataacaatg atgataacaa 60  
aagatgatga caaagggtgat gacaaanagc tcaaagatca atcaaagaac aactcaagtg 120  
aatcaagaac aattcaagag ttcaagataa gaatcaagaa gaattcaaga ctcaagaaga 180  
aagtttagag tcaagaatca agattcaagg ttcaagatct caagaatcaa gatcaagatt 240  
caagactcaa gattcaagaa tcaagagaag gcttaatcaa gataagtatg actagtcttt 300  
ctcacaaatt gagtagcaca tcatttttct cacaacatgt ttaccacaga gttgttactc 360  
tctggtaatc gattaccaga ttggtgaatc gatta 395

<210> 14353  
<211> 333  
<212> DNA  
<213> Glycine max

<400> 14353

tgctgcctca tgaggaatgc cttgcgctta gatagcatga ttaaaccctt cgataaatatg 60  
tatgtatgta aatatgtagc atgaaatgcc ttgcaaaatg tagaatagaa tgccttgcaa 120  
aatgtgaata tatatagcat gaaaatgcct tgcataatat gaatatatat agcatgaagt 180  
gccttacaaa gtgtttggat gggtagcgta aaagtgtttt tcaaaatatg tgtatttgtg 240  
agtaggtagc aaaaaaatcc ttccaaaaaa aaatgtgtgt atatatagaa gatgtagcat 300  
gaaaaggggtt ggcaaaacag tatgtacatg gat 333

<210> 14354  
<211> 427  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

60507-307450

<400> 14354

cagcctaata ttctttatta aaagtcataa ttggtgccat tacctatcat catttctatc 60  
ttacctattt tgaattatgg ccttggtttg tgtgtctaga ttgacaccag actcctaaat 120  
gcacaatata ttctattgca agcttaacaa cagtcccaaa acccaattnt attcgaaacc 180  
aagtgtcatg atttctatat taccaattnt ggtagttggt aatgttgaat catagttttg 240  
ctttctcatc tgccctttgt ctcatctctt taccttacia ctcagtcaat tctatcatta 300  
ccctttttca atatgcagaa ttagcaacat gaaaacatat ctaatccagc aaatgccacc 360  
atcaatagcc aggctatggt ccagaaccaa cgaaatgcct catgtcccat ttctttcatc 420  
ttctaaa 427

<210> 14355

<211> 100

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14355

caaagatatt tttttctttg aagccttctg anaatataag atcaaacacc cagttaattc 60  
agggtatttt tcaacaaacc gaaaaaaaaat aaacctaataa 100

<210> 14356

<211> 406

<212> DNA

<213> Glycine max

<400> 14356

tttgccaat tgtgctttga ccgaatttt cctttgatga atgatgctct cctacaacct 60  
aagacaaggt agaaggagat aaattctaca ggctcaaggt tcaatcaaac aatcatactt 120  
tcagctcaaa atatgtgcaa gggataaatc aatcatgcac aaggtaagct ttttagctaa 180  
gtggctatct tcaatcaaaa catggccttc atcatcttca atttcacgca ttcatcccat 240  
actcagagat tcatgcaaaa atcattactc aatgttagtc gttctctcac aattaaagat 300  
cacactctca cctggctgtg gctaagtgtg accttcacaa tcaaactgtc aaactgacta 360  
acattatcag tcatgatcct aatccatggt ctttctcttc taatca 406

<210> 14357  
 <211> 427  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14357  
  
 acatgagttt gtggctactt cattcactcc tctaatactgact atagcatcat ttctggcgct 60  
 aaactgttgg gagttggaag tcatcttctc aattaaatnt ctggcttcag caggggtcat 120  
 gtctccaacg gctccaccac tggcaacatc tatcatactt ctctccatgt tactgagtcc 180  
 ttcataaaaa tattggagaa gaagctgctc ataaatctgg tggtagagagc aactggcaca 240  
 tagttattta aatctctccc agtattcata tacactctct ccactgagtt tcctaattcc 300  
 tgagatatcc tttctgatgg cagtggctct ggaagctgga aaattttttt ctaagaatac 360  
 tctcttgagg tcatccanc tcgtgatgga ccttgagagc aggtaataata gccagtcctt 420  
 tgtcact 427

<210> 14358  
 <211> 313  
 <212> DNA  
 <213> Glycine max  
  
 <400> 14358  
  
 agctgtatatt gttctgttct gggaaacgaa ggtcaagtgt gtgcgatatg tgaagatgat 60  
 gttccaagta cttcggattt ggtccgacca tgccctcctg atttccagct gggaaattgg 120  
 cgagtggagg aacgccccg catttacgca acaagcataa tgtaaaccct tacggattta 180  
 aaagctctat agtagggcct aagctttaga gtttgcatca tgataaggct ttgtgtatct 240  
 tgtttttgaa ttcataatac aaggatctta ctacgtctgt tcctggactc taccatttgt 300  
 cattcattag cat 313

<210> 14359  
 <211> 353  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14359  
  
 tcaccttcag aggactacac gtnctgcct tcagaggact acacgtgctc gccttcaaag 60

ggatcatgtac cttcaccttt ataaggctac acgccgtcac cttcaaaaga ctacacgtcc 120  
 tcaccttttag aggactacac gtcctcgcca tcagaagact acatgtcccc cattttcaaa 180  
 agaggacatg ccttcacctt tagaggattg catgtcctcg tcatcatang actacactcc 240  
 ctgcgcttca aaaggcgaca cgtcctgaac ttcaaaaggc tacacgcctt cgcctttaga 300  
 gggctacgcg tntcacttt cagtgggctc catatccaca ccttaagata att 353

<210> 14360  
 <211> 384  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14360

gactgcttta aatagctaca taatggggga ttcttttgac caagaacatc atgacaattg 60  
 ggattcataa tttggcctgg ttgttgaatg ttgggcatgc cataggtcct tggaccaaatt 120  
 tttgatgact atctntaatg gtctggtaaa agaggctaaa ttttttgcaa catgcaatct 180  
 acgttagtgc atttggttga aggtaacaca tatttaaggt tttttgggct cagcagctga 240  
 tttggaataa gaatagggtg ttcaattctg tttgggtgcac aagcaataaa tcaagggtat 300  
 ccctaacaga gagactgaga gatgatgtaa ctttactcca tttatgttta ctctttctcc 360  
 atcttgacta tgtttttctt taca 384

<210> 14361  
 <211> 213  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14361

aacttccttg agaaagctct ttgagaaaac ttcttgaga gctagagctt agctacacac 60  
 accctcttat aactaagctc acctccttga gaagcttgct taagaagatt caagctagag 120  
 cttanctaca cacnccctat aatagctaag ctcaccccca tgacagaaaa catgataata 180  
 ataaaaaaaa agttcttatt acaaagacaa ctc 213

<210> 14362  
 <211> 262

<212> DNA  
<213> Glycine max

<400> 14362

cgtcgccacc tttaaacc ca aggaacctat tcaatgccac gatggtgtag tgaaccgcgc 60  
aagaccctgc agccaactct cttctcaacg atcccatgtg cgtaacaata tacctaataca 120  
gcttaattga caccgcgtac aggtagagaa aagatttagc ttaccgcggc ttcttcgctc 180  
ccagcgatgg cgtgcgacac caccacgcca tgatacgacc taggaccggt gctgaggccg 240  
gcggccatca tgtcgacat aa 262

<210> 14363  
<211> 476  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14363

aggcccccg aattttngag cntnatacat aaaactcagc ttcactcatt tatttgtcca 60  
gtagaggaca gaattcatta ctatacaacc agagctatgg acgctttggt gtaactacag 120  
accctccaaa aaatcgcact cgagatgctg agtgatgtgg ctaacaactg gaacttcaat 180  
acacgatagg gttggacatc gaactataca cacatcattc cctgttcac catttctaaa 240  
ttataaccag aacggttaaa tctatcacat ttcacaaaac taccaaagta tacaccatga 300  
caatattcat cacaccaaac aacagtgaag tcatactcca acaagcaaca caccttgtct 360  
acaaactcat tgtaatcatg acgagcacct gattcaacta gcttgcaata ggcaaagatg 420  
tgcatcatt accgtgggct tattattgaa ctgggctctg cacaagacac acaaag 476

<210> 14364  
<211> 426  
<212> DNA  
<213> Glycine max

<400> 14364

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gcacaacaat ttttccacat ccacaaatcg cgcataaacc caccatcccc tgttgccac 120  
ctccaactga gctcacgtac tcccacgtag cccatatact cgtttctctc acaacaccgg 180



gtccgcatca atcctcccaa gcttcccaa catccaggta atacaacatt caaacagcac 240  
 aaactatcac agccaagaaa acagggcaaa ggcagaaaac tctgccc aaa acaccaacca 300  
 aatcacaac caaaatcaca gcttttctca cttaaagacc ccagtaataa ttccttcgtt 360  
 ccaattcgtt aaccggtgga tcgaactcca aaatttactg gaagtctcta gtacataagc 420  
 ctacat 426

<210> 14365  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<400> 14365

gagtcccgta atacatcaag acgctgcgaa attgaataca aaagctctag caaattaaat 60  
 cgacgataac tttctactcg gatgtccgat tgggtcacgt aatataatga gtcgctcgaa 120  
 actcaatact gaagctcaca gcaattatca acgacaatga atggtatact cgatatacaca 180  
 ttgagctcac gtatatatcg agacattcga aattgagtat aaaagctgtg agaaaattct 240  
 aacgactata actttttact cagatg 266

<210> 14366  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14366

gaggtggcta aggggtcaacc tagtctcaat gttttccaat cgggtagtat gtaaattgggc 60  
 tagtggattt atcagcgatc gacgcttttc ttgcttatca ccacaacaag taaagcccag 120  
 tcattgttgt tttggctgat gcctatgcca cattcgacct gagatgcgaa aagagtagtg 180  
 cangaaattg tctgtgtaca cctgctcttt atgtatgggt ggtctccac attttttgtc 240  
 atgaaggtag gcctatatgt ccnctacaag gtcatacat gtgt 284

<210> 14367  
 <211> 440  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 14367

tcctcgaggc cattncctgc gaaggcaaac attnggaaag tttttttacc agtgggacac 60  
tactcttaaa acgaaaatgg catacaacct cttcccataa acatcaatgt aaatttagag 120  
caagctbatg cgcataatttc cctacgaacg ttcacttgca caagacatcc tattaactaa 180  
gaaaaatgca cccatataca atcaaggtag cttcattacc tagattattt acatgtactt 240  
ccaaggtgta tttgttattt acatcacaca cgctccttg gctaaattta catacatgca 300  
tactcaaagc atttcggggg accaaaaatt gcacatgcgc tcactcttgg atttctaata 360  
cctatacata taaaaacttc atgatgaatc ttgactacct acgcaataag gtgctacatt 420  
tcactgctctt tttttttttt 440

<210> 14368

<211> 332

<212> DNA

<213> Glycine max

<400> 14368

agcttgTTTT gtttgcttct atggaggctg gatctttgag cttcaatgag gtcctttaat 60  
ggcgaatatt caccatggag atgcagcggg agacaaagga gaataagtga gaggatgcgc 120  
catccactac ggaataagcc atggaagaag gagcttcacc accaagatga gccttgata 180  
acaagcttgg agaggatgct tcaatggagg aacagagaga gagaaggggg caacacgata 240  
ttgaaggaat aaaagacgga gagaagtggg actttgaagt gtgtctcata agactttcat 300  
tcactcagagt tacaacaagt gttacacatg ct 332

<210> 14369

<211> 255

<212> DNA

<213> Glycine max

<400> 14369

gcggatgtta atgtatcttt cttatgtctc cgtaaaagac atatgaatca agagatttgt 60  
attagctcgt ctcatgtaat gcactgctta actttcaagt tatagttcct gcgtaggata 120  
ctctcatgat attcatatgc taagttgtat aatttagcga tctaacaaga caaatgtaat 180  
ctccattgca gtgtgataga ccaatcacat gcactgatgcc caacacggaa cgctcctaa 240

gaatgtcaca cctct

255

<210> 14370  
<211> 411  
<212> DNA  
<213> Glycine max

<400> 14370

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atatataggg tgatcggtga gagacaaaat cgccctcatg cctatcccg aagtgtccga 120  
ctccacaaaa aatggcaagg agaagtctgg taaaccaagg atgggtgctt aacacacagc 180  
atccttcaat ttgatgaacg cctgctcatc ctcagagttc catgagaacg agccctttga 240  
caaaagcacc gtgagaagtg ctgctctact cgacgatccc tttatgaatc tttgataaaa 300  
ccccaataca cctaacaagc ctcagacagc tctcgagat cgtgggtgtgg gccataagtg 360  
tatggcttaa attatcgctg caccagctcc actccgcgcg gggacatata g 411

<210> 14371  
<211> 341  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14371

aatatgatgt agaagaaaat gaatgtgagc ctttttcccc tttgatagac ttgtaaaaaa 60  
acatatgttt tacaaatact tttaattaat atttgaattn tatttttctt tattagtata 120  
tatgtgaggg gtagaggggtg tcacaatgag tgtgatgatg caatgttata gtatagaaat 180  
atgcccactt gattatagta ttggtagtag aatattactt cacttggtct caagagcata 240  
ttttatctgt aaggacaatg ggagaaataa tcagaacatg aatgtaacat ataacttaac 300  
tcgtgctcat caagtactta taagaaatga ttgttgattt t 341

<210> 14372  
<211> 429  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14372

agcttattgt	atcaaaattg	ccttaatcat	ttccaaatat	gcatgtgaat	tangacgcat	60
caacaagaat	caagccaagg	ctattatgca	agcaatcaat	ggggcaaaac	ataccaaatg	120
attataatga	tggatggctc	aaattcttac	aaaggtaaaa	tcatcacttt	caaattgagc	180
tttcaaaaact	atcatgacat	gtagagaaga	atcaaggatt	tcaagtcaca	aaatgtcaag	240
aactttttatt	ttcaaaaaca	ttacccattt	cttgaacata	tectataatt	caaagaanaa	300
catgcaaaaat	cgtacgtgca	cacaaaattg	accagaata	ttaaactaat	aatccgacga	360
aactaacaac	attaacaaat	taacacaacc	aacaaaacta	tgcaaaccac	agaacactcc	420
ccccccccc						429

<210>	14373
<211>	385
<212>	DNA
<213>	Glycine max

aaccaatatt	ctctagacca	ttgtagacac	tacctacgga	ttcttttcaa	aatccctctt	60
ccaaaattga	ccatcagtag	tacctatagc	tggacttcca	aaattacttg	ttgtattccc	120
aaagaactct	agaaccagga	gtcactagac	tactctcatg	ttctatttag	tagctcctac	180
taccaaacac	acataacaac	ctattatggt	ccccaaaaac	ttcagaagta	acaatcacct	240
atctactttt	ttgagatctt	tcctttctaag	cctagggggg	ggacaaacac	ttgttcggat	300
atggcattaa	tggtccacc	tagagtgctt	ttggctaaga	agtcattca	attaggtggt	360
ttttctactg	acctttaccc	tatac				385

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<223>      unsure at all n locations
<400>      14374
```

aagctcctgg tcaaagaaac cagagaggtc tttggaccag ataatatctg aacagtacag 300  
aattgtcacc aaatgaacaa aaaggaatga aaggaaacca cgacctagaa tgggtcttctc 360  
cctttaatta c 371

<210> 14375  
<211> 438  
<212> DNA  
<213> Glycine max

<400> 14375

tcttatccaa ggctcatctt ggtggtgaag cttcttcttc tatggcttat tccctagtgg 60  
atggcgctc ctctcacctc ttctcctttg tcttcgctg catttccatg gtggaaaatc 120  
atcattaaag gacctcattg aagctcaaag atccagcctc catagaagcc ccacaagcaa 180  
gcttccatca ctgctgttgt tgggtgctgac ggctggacca tctgagggtta gggcgattct 240  
tgtatccagg gttgtatctg ttgctggaga ggtcataatt gttctgctgt ggttgattct 300  
gcttctgagg ttgaggagga ctattgcaa tatttgcagc ataagcttca agctgtctaa 360  
tcaactccaag ttgctgcatg gagggcaa at gtctgtatgg tggtcagcac aggagcacia 420  
accacatacc cttgtaca 438

<210> 14376  
<211> 431  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14376

atcttgtatg attatggggt acccatcaca tgtggtacta ggtggcggtc gggcgatggt 60  
gcacaacaag ttttccacat ccacaatgcy cgcataaacc caccatcccc tgttgccac 120  
ctccatctga gctcacgtac tcccacgtag cccatatact catttctctc aacaccgggt 180  
ccccatcaat cctcccaagc ttccacaaca tccaagagaa acaacattca aacagcacia 240  
gctatcacag ccaagcaaaa caggggcaaag gcagaaaact ctgctcaaca caccaaccaa 300  
aatcacagct nttctcactt atagaccca gtaacaattc cttcgatcca attcgtaa 360  
cgttggatcg actcanacat tntactggaa gtctatagta cataagccta canttttgac 420

cgtgggatct a

431

<210> 14377  
<211> 336  
<212> DNA  
<213> Glycine max

<400> 14377

tctacttatg tggcagggcg ggcttccttc accttcttgt cttcaacgcg aattttgacc 60  
attgttcttc cttcccgcca tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120  
accatacttc ccacgatttc cttgggtatt tatcaggcta gttatgccgc cgttggtttt 180  
tcctaaacct atcccgggtt cataaccgtt cccaacata actcgggcca tcattaccgc 240  
tgcatcggac agacaaggct tgccaaagag ggagtccacg gaggaaatgc tgaccacctc 300  
aaaagactgg aaagcagttt ctaacgattc ttctgc 336

<210> 14378  
<211> 382  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14378

atctctctcc ggaaacagct caccgcgcac gactcttacc tgtggccgcg cctctcccct 60  
cagacgcagt ctccctcaa atcgctcttc ctctctcga ttcaatcgga aaacatcaaa 120  
tccatctcca agaagctctg cgacaccatc tctgaactcg cctctggtat ttaccgcgac 180  
aacgcctggg cggagcttct tcttttcattg ttccagtgtg tttctccga ttcccctaag 240  
cttcaagaat ccgcgttttt aatcttcgcg cagttgtcgc agtacatcgg cgattccctc 300  
actcctcaca tcaagcacct ncacgatatc tttttacagt gcctcacgaa cgctaccgtt 360  
aaccctgacg tncgaattgc gg 382

<210> 14379  
<211> 363  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14379

tctatgagtc cccttgagaa ttgngtttct cttcttcttc ttcttcttat atgggatccc 60  
tctagccttt gcctgacact ccttgacctc acgcaggtac acccaaattg ctctctctac 120  
aaaaggatta gtctctggcg atccgtcatg ctcttcataa gcagcgcgaa gccggcctat 180  
gagggcatcg aggctacccc atgcttgctt gagagggcag gcacacggtg cagcaggggt 240  
gggctggcca aagaagatgc aaccgtgcaa gtggagcttg gtttcccata ttgatcgagg 300  
accgaacgaa atccaacaca tggttgaagt tgcactgaga gagtggaaact ggcggactct 360  
gat 363

<210> 14380  
<211> 430  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 14380

ntctttatatt gttttctcca caagcttcat tgagaggctt gtagcacact ccacacatct 60  
tctcaaaaat acccacgggc agatcttggg aaaatgtggt gcgcaattgt agaccacaat 120  
tagagaagat accaccggtt atgaaagctt ggccatgggt ttacccatgg aggctcctgt 180  
ttctttcttt aaaagcctca tttagaaggc ttctctagaa acctcctcta gaagcttcct 240  
cgggggttctt tgagaaaactc tctcaagagg ttctttgaga agctacatcc ttatctatcc 300  
cccctctatt aactanattt acattcttaa aaataattac ggatgaaaat aacgcagcaa 360  
ataatccgac atcagacata attacttatt atctatagat atatatatca cggtcgtaca 420  
ttgagcatcn 430

<210> 14381  
<211> 430  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 14381

naaaacgttc gngatgctan atagtacaca ctccgnccat aaaaggcctc aatattaccc 60  
cgctattttc taacttccag gcaaaaagta atggaggccg gaatttctta taacctccgg 120  
tttccattcg gagccgtttc gtatattacc aggactaaac cggacatcca gtataagtgt 180

atgccttttc attatctcaa gcttcgatat gaaattgacc tctcgtatat aatggactca 240  
ctacacatcc gaggcgaagt attttcgtct gaattgatac gacatccgat acattccgag 300  
catactccaa aatacaacac tctgcacgca tcaaatacaa gaatggtgtt aaatttctac 360  
agttactttt gcggttgaag ttgaattaaa cggactcacc gtcgtactga taagtacagt 420  
gtcagatcct 430

<210> 14382  
<211> 431  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14382

agctctggtt tttcttcatg aagaaaccaa gaatttctca cgagtggact gggctccaaa 60  
tctaataattc actttggccc tttaaaagat atcctcctcc gttaagggtta ttattaatga 120  
ccagaattgg actggtgaaga attgtgaagg ataccattgt ggtggtaaata cattgaggtt 180  
ataacatggg tagctataga actaacgaag attgagtttc caatgaagga agtaaaatgg 240  
agctcacaat aggctcatcc atgttagagc actntatgga ctntgatctg gaggaagata 300  
ggaataaaga ggggttatgg aagcaggagg cagatcggan agcacgacaa ggtgttcaat 360  
cagagaagaa acatttctat tcccactgng taataaccag aagccccagt ctagcaaaag 420  
tacactacat a 431

<210> 14383  
<211> 472  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14383

nggcttttta cttttgcgat ggctntatga tactcagcta gaagactnnc ncnngngggc 60  
aaggctgatg ggaagcnatt antttgtttt nacgcgaagc acgacccaaa gccgtttatt 120  
acaaaatcct gtcatgtcta gtacacgcaa acgggcttac aacacgtttc catagcatgg 180  
cgcgacttca cttgcgtgat acattatgct aatgagaccc tccgacgtcc tccttatgca 240  
catgccaagg atccaagccg ttcccaacat tacaatcccc gtgcttctta catcctatgg 300



caagagacgg ggcgccacaa aggaggttca gtggggaagc gcgcccttaa acaacagaga 360  
 atatattcta ccatgcttct gcggttcacc aaggcgtgaa ggcgagcact ctccaacata 420  
 tttcttcctt gacacaagac aaatgtcgcg cattaaacat cttttgggac cg 472

<210> 14384  
 <211> 434  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14384

tgcattgccag cctatatctt ctaagcaaca ctctcactct ggggagactc caaaacgatg 60  
 ccgttttggg cccactcaa gtcaagcctc tccaccaagc tcctcaacat aaccgtctcc 120  
 tctctctgca aagcgaagca natccccaat gccgaaacgg caatcgtcga cggcatacga 180  
 ctggcggtgc tccccgacgt ggtcacctac aacaccctaa tcgatgcgta ctgtcgtttc 240  
 gccacccttg atgtcgctta ctccgttctc gcgcgaatgc acgacgcgg cattccccct 300  
 gacgttgttt cattcaatac cctaattctc ggcgtgtga gaaagtctct gttctcgaag 360  
 tcctcgacc tgttcgacga aatgctcaaa cgaggcatca accccgacgc atggagccac 420  
 aacattctaa tgaa 434

<210> 14385  
 <211> 329  
 <212> DNA  
 <213> Glycine max

<400> 14385

aaggattcag gaggattcaa tggaggattc aggatatgca agagctttag aaaaggcttc 60  
 agttaggtaa aagaattttt ccaagaaaag attgaccaca caaattgtcc agaaaatttc 120  
 agaatatctt taccgagttt actctttgta tagaatacat aggtagtatc gttactaaag 180  
 tcaaacatth ataatgatta caaggagaat cgttccaggg ctgtatcgat acattgcttg 240  
 tacgtcaaac tatttcaaht agtgtattga taccagtggg ctgaatgtgg attcaacctc 300  
 acatgagagt ctaaccttat aaaataact 329

<210> 14386  
 <211> 334

6062-53464

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14386

ggggaccaac ttttaatgct aattttgaat ggggggaatc atggggcttg gcaattattt 60  
attataatct tctaccttct aagttgtaat taaattatat attatntata tgatacacia 120  
aacagcacca agagcttcat cttaaagtttt tttttttcct tttaaaataa agagttgaaa 180  
tcttgatcaa cttcatcttt gtcgtttggt ttcacttagt agcgatcctt tcgaagcccc 240  
ttccttccat cagaaaacac aaatcccgat aaaaaaaatt gcatgttcta aagtgtgaac 300  
gtcaacactc agaagtacac aaatttctct accc 334

<210> 14387  
<211> 457  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14387

gggtgtgacc tgaaccgcca tgaaccagct ccatggacac tttttaataa gcggggggac 60  
ttttgaatta tatatgtggn agagcgccct ctcaaataat gatctatata tatattctca 120  
cattctcttt tatctcgccg tctaaatata ttctttctcaa ataataaata acaatttttt 180  
catattttta ttttttatcc tttaaataatg gcgatacttt tcaccaccag aaaaatacct 240  
attcattcca atgagtcttt taccaggtaa acgatcttta tatttaccoc aggccttatgg 300  
ataccaggga taagttaccc actttttccg cncttgagaa agggagaaga ggaatgcttg 360  
gatctgaacc catttgagaa aggtggagag gtgagacgga gagaaaaatg atctgaaaac 420  
acaaaagtga taactgattt catgttnaaa agagaga 457

<210> 14388  
<211> 295  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14388

agcttattta tgtatcatcg gacagggatt ngatggagga ctgttatgat tgagtcttct 60

ttctatatat aattacggct gcgcattata tcgatattca atcatatttc cgctgaaccg 120  
 atatttcggt caatcaatcc ttggacacat ggtgaatttt gagcacttca acagcagctc 180  
 gaaagtgaat catctggcga ctttcaacac tccggtactg atggcacacc aatcactaga 240  
 acgaagttaa ctacggacgc tgcacagagg gacaagatca gtgatcccta cgatc 295

<210> 14389  
 <211> 391  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14389

aatcatgaag gaggaaatac atgatttaac agtaatattt gaaggagtgt aagttatgag 60  
 ggggaaaagg gaaaaataag aaaagaaaag cagcaciaag taatagtata aaaacaaagc 120  
 aagtagcaat cgagaactca acaaatacaca ttatatttca ataccaatcc tagatgttgg 180  
 ggttttacat aagactccta tagtacattt atccaggatt tcaattatga aagtgggaagc 240  
 accagtgaga acagtacatt tcaaaggagc gtaagttatg agctaaagga anaaaattaa 300  
 cacggtaata gtatatacac acaaagaaag ttgctatgaa gaactcagca aatcatatta 360  
 gttctcaata ccaatgccccg tgtgaatatt a 391

<210> 14390  
 <211> 428  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14390

agcttgatga ttatggggta cccatcacat gtggtactag gtggcgatcg ggcgatgggtg 60  
 cacaacaagt tttccacatc cacaagcgc gcataaaccc accatcccct gttgccacc 120  
 tccatatgag ctacagtact cccacgtagc ccatatactc gtttctctca acaccgggtc 180  
 cccatcaatc ctcccaagct tccacaacat ccaagcaaaa cgacattcaa accgcacaag 240  
 ctatcacagc caagcaaaac agagcatagg cagataactc tgccaaaaca ccaaccaa 300  
 cacagctttt ctacttata gacccagtc acaatatctt cgatcctgtt cattaaccgc 360  
 tggatcgact cgaanattgt ataggaagtc ttagtacat acgcctacat tgtgaccgtt 420

gggatcta

428

<210> 14391  
<211> 388  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14391

ctccatgttt ttaaaaggaa cagctaagga atatagaaga atgataaatg cttcagcagg 60  
aagatactat gtcaatggga ccacaacaaa agtaaagaaa attatagaag atgtagcagc 120  
tagtgaacga ggccgtgatt gcaaccgcac ctctccaaag gacattccca aataagatac 180  
cgaagatgaa tcccttaaac aacaaacaca aatgaaagct atgatggaga gcataaccaa 240  
cagcatagtn aaacaacttc aaccaatgat acccccacaaa caatcagttc tcccatgtga 300  
agagtgtgga ggtaaccacc atacctctta ctgtatgaag gaagtagtca aggagaccac 360  
attcatgaga gaacagacta caaaatta 388

<210> 14392  
<211> 421  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14392

agcttctttt caattntcta taaatagggg gagaagtga gtagaaaagg gttcagcccc 60  
ttatgcactt ctctctttct caaaatagct gaggaatatt aattccgtga aaaaaatcca 120  
agccaaagcg cttccgtaac gtttccgtga gtgatttcgc gaaggttttc gaccgttctt 180  
tgaccttctt cattcggttct tcatcggttct tcagtcttca gtgggtaagt acctcaaacc 240  
aagcttttta attcattcta tgtaccctgt gtgggtccaca tttggtttca tgtattttta 300  
ttctcggtgt catttacttt ttataccccc ttttgacgtg cttaagccat ttatttaagt 360  
catttctcgc ttaatctaaa aataaaaataa atctccaccg atcgtttgaa ttgtatcatt 420  
c 421

<210> 14393  
<211> 408  
<212> DNA

<213> Glycine max

<400> 14393

ctcaactaag attacgctat gcagaagctg taatttgtct aatgtctatg ctcgagccaa 60  
agcttcttat tagaaacttt tgtgagggtt atagatacaa tacaatttac aaacgtttgt 120  
atagaataag ttacttaaag tactgacacg taccctaagt tgatatcaat actccaccaa 180  
tatgaatatg agaagtatcc aagcctttta aaaaaataga atgcttgtgc tccttacata 240  
agaggcaaag tgaacaggat gaagcatctt gtatagaact tttggagtgt gtctctaaat 300  
caaagagaca tttagatcgt gatcttgata atcctaaacc atgcaagtct agaaagtcaa 360  
tagttctagt tcattatctt cttgccagta cagcaagatc tcattttg 408

<210> 14394

<211> 393

<212> DNA

<213> Glycine max

<400> 14394

agcttttcta ttattcaaga agtgccttat gaatactccc gtgcttatgc caccagtacc 60  
tggaaggcct ctcattttgt acatgacaat cttggacgag tcaatggggt gtatgttggg 120  
gcaacatgac gaatccggaa agaaagagcg cgctgtttac tacctgagta agaagttcac 180  
gacctgtgaa atgaattact cgttgctcga aagaacgtgt tgagctttag tatgggcatc 240  
ccatcgcta aggagtaga tgctgagcca tactacctgg ttgatattca agatggaccc 300  
ggctaagtac atctttgaga atccatctct caggggacga atcgcccggc ggcaagtcct 360  
gctatccgaa tttgatatag tcgacgtcac aca 393

<210> 14395

<211> 404

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14395

attgaaatca aactntgcca ctggtaatag actggttttc ttattaccaa aaccatgtaa 60  
ttgattacac agagcatttt atgaaaagat gtggctcttc acaattgaat ttgaatttca 120  
acattcaaat aacttggtta tcaattacca atatattata atcgattaca ccatttaaaa 180

aaacaattgg aacggtgcaa atttagctaa aagcttttga aatcaaactg tgccactggt 240  
aatcgattac cacagagtaa aaactctggt aacttagaaa aatttgagaa aaaactcttt 300  
tgaaaaacaa aattgtgcta tgtttgaact ttgaaaaatc ttttcaatac ttcccttggtg 360  
aagacttctt gatntcttct gatgaatctt gaattcatct tctc 404

<210> 14396  
<211> 422  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14396

agcttgtttc ttttggtgca tagaatgcag gcaaaaaaaaa aaatagtaag tgtcatgaat 60  
ctatgacata agcttcaacc aattaacatt gtttgtatga caactgttgt agttggacag 120  
caatcacaca gtttgtccac catggaatgc tntatgttcc tattggttat agttttggta 180  
tgctttatgt tcttattggt tatagctttg gtgctggaat gttcaatttg gagtccacat 240  
aaggaggaac tctatatggt gctggagttt ttgctggaga tggtaacaaga caagcaagtg 300  
aaatggagct ggagctcgca gagtatcatg gcaagtatat atgaaattag cccatanaag 360  
ctaggctgga ttctgtgatt aatnatceat taagccctcc tagctagggt agcattctag 420  
tc 422

<210> 14397  
<211> 410  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14397

ntaagtntca cggagtntga tattggttgt gcattcttat atttgcaatc tatttcacaa 60  
caattatctc acttttctct gaatcgtagc taagtttgcc cttgtttaag ttagggaata 120  
tatataatta gttagatatt ttcatatagt taaaatttag gaaatttatt agcttttaca 180  
tgtttttaca gtgatttagt catttttagt cacctggaaa gaaattaagg gtttggaagt 240  
gaaaattgat cactcaatga gttgccaagt agcttaacta ggaagccata ttataagaag 300  
acacgtggta gctggtggct atgcgagaag tctatctctc ttagcagatt tctcttgaag 360

aggccatgtc aacaacatca aggcttggtg agtgaagcaa cctctttgga 410

<210> 14398  
<211> 410  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14398

ttcttatttt gtagcagttc cagggaccat cgacgaacgg gcgatcaata canaaagaat 60  
actcattcca tgggaaagga atgaaaatca cacactttgc ctcaactctg ctaaagcaat 120  
tggatgtaca gtggtcaaca ttggcactca tgacttcatt gaaagaaggg tatgtatgta 180  
agccttctag tttccacca taaaagcaga attattgtgg gcatgtacac tgcagaacca 240  
caaaatttaa gatttaattt aatttataaa tgaaatctgg tcagatttga ttatttctcg 300  
atcaaagtaa ttctaatca agttaccct gttntaaat gattccgaat gctggtaaag 360  
tatctctata gcatgtaca tatttataca gtcaaagcct ttctctattc 410

<210> 14399  
<211> 273  
<212> DNA  
<213> Glycine max

<400> 14399

gtgtggtgcg gaggaccgaa tctcggttat aatattggtt gttgcgtggg gtcagagaag 60  
tgacacgaat ccgttatcag cgctggttca ggactccgtg aagcactccg cgaagaataa 120  
ggtggttccg ttccataaga aattgcccaa atggtggcca actgtaatca attccaacgc 180  
ttctattttt tacgccgatg aacatgagga atacaagagg gaggcttatg gagtggttcg 240  
aggtttggtt tttctttcct cagatacatt tag 273

<210> 14400  
<211> 424  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14400

agcttatatg aagaaattaa ccggttggtga gacaacatac actntgagta tgaacctacg 60

cataaacatt ctttttcttt atgtaaaaaa ctctntataa atgtctaaat aactcctcaa 120  
aataactgga ttatcttatg agaaataact aagggtctag attgtatatt cgtttgtaag 180  
acaattaana gagctagtca ttatgcatac aaacaacaaa ttgtttgat ttatataagg 240  
gctaataaga ttgtatattt ttttgtaaga cgattaaaag ctagtcattg tacaaacaga 300  
caacanattc gtttgattta tatagacccc acgatggctt gttaagacaa ataatatcgg 360  
ggtttaataa gattggggtg gagtttgtct tggttaagtaa gaagtgggtg tgacaaaata 420  
ctta 424

<210> 14401  
<211> 339  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14401

tgtgcagagt tgtgagcaac anagggatct aaaaaatata ttctaaaaat taataatcaa 60  
atagtattga taaaaaaaaat gtgcataaat caagtacaaa tccttcaaaa caaagtaaga 120  
tcaaatagta attntagcag aaaagagaaa aagaagcnaa aaaaaaaaga taagcaacta 180  
aagttagaag ctaaacgtaa gaacaaaacc aaaaccattg gaatttaagg tgtgtgtgag 240  
agaactgagc cgaaggaatt gtgacctatg aagaacaaat canagtgaaa atgcatagaa 300  
gagtgtcatt ttttttaaac taagaaatat atactttac 339

<210> 14402  
<211> 402  
<212> DNA  
<213> Glycine max

<400> 14402

ctccaaacct atatacatcc actcaactcta acaacaatct cacagcctgt actttatttg 60  
tatttactaa taacttatct ttaaaattaa ttaagtctaa tcatgagaga attaaaagat 120  
cttaatcaag tgaatttatt gctattttgt gattgaattt taaatatcaa tttaactaat 180  
acctatacta tgttgcataa agataatgta gatatgtact gacttatata ggcgaacaat 240  
gcaatttgtg tgatgattaa agtgtgatta atagtaatta atcataatac ctttgtggag 300



gattgagttc gaagaggata gaaatggaaa agcagattga gaagatgtgg ccttccttgg 360  
 taaagtgaga gaagtggcca atatcataac ttcaataaca aa 402

<210> 14403  
 <211> 433  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14403

gcatatgtac tntaagtgag agagaagata taaattatatt gtaataataa ttaatatattac 60  
 gagtaaataa catatacaaa gatgattaat ttttacataa tcaatcacat attatcatat 120  
 aatgtaaatt gattgatagt aataataaaa atataaaaatt catattaatt atgatttaag 180  
 ttctaaacat tatagatgat atgataaaaa aaatgtgtat aaaaatgaga aattaagcaa 240  
 taatgagaga aaataaaaatt gaataatgaa agagagaaaag agtgtgaccg tcacagcttc 300  
 caatagattg gtgttgctgt gcaagtactt gaggacccat gttagaacac ttgctgtggt 360  
 gtcattgtgca gcaaagatga caccaatgag attatcaaca acttgagaat ctgtgtgctg 420  
 ctgatagtac atc 433

<210> 14404  
 <211> 383  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14404

aatccaaggg gccttttttct cttgacctgaa ctctctttta atattggtgg aagaaaactc 60  
 ggccctgcgt actcacagct ttgctcatta attgtgggtg cttgttttcg cactgagcgt 120  
 gtattgtgct ggaccttttt caactatgct ctattgttct tagatgatag gcttttaatc 180  
 catccctttc atatctgcaa gcccatgaat atgaaaaaca tcagttctta acaattaagc 240  
 atgaataatt gttaaattat aactttacag gatattttca ttatatgttt attataanaa 300  
 acatatcata tntacctgtt ttaactagtg acttatagcc aaagaagatg aaataactga 360  
 acttagttca tttccactgc act 383

<210> 14405

<211> 347  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14405

tttttttatt tcttagtcta tcgtaaagaa gcttgcccttg tgaagccatt gtggaactag 60  
 aggtgtgtat aactataggc caaataataa tttgcgcgct ggaaaaatat ggatggtaat 120  
 gccttaattg tttgttaata ttcacgggat tgtgacgtct tgtgtaanag tactttttct 180  
 atgatgtccc tttgatatgt ataacctgta actgaaagca ataacacgtg agaactaact 240  
 cgggtgcaatt aattgagata atggtgctgg aatttataag taaagcccat ctaatggatc 300  
 attgataaat tttgaaaact ctaaaaatat atctgaacta acatatg 347

<210> 14406  
 <211> 411  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14406

aacctactca gacagcagat gaggcactnt gccaacatcg gtccataacc ttagcgaggc 60  
 tggcattgta acatcatcat gatatgatac aacacaccga gtgactagat tgacataacg 120  
 gagacaccta atgggtatcta attgcaaaga ataacacttg cctaacgggc tgtaacccta 180  
 ccttcggcac ctcccacact atacatcggtg agctaagatg tgtggggagaa cggctgatcg 240  
 gccaaagcgca ccaagatgca atctccgaaa accacatgat tcgaatcgaa tatgatgcn 300  
 ggcacgagtg cgcttgagtg ctataatcta caatctctat acgaactacg cactcatctg 360  
 ggatcttaga gaaacttctt actagatggt cacaagctag gctattgaat t 411

<210> 14407  
 <211> 139  
 <212> DNA  
 <213> Glycine max  
 <400> 14407

gatcactatc aatcaataag aaatagacct agatatttat tttagacgtg agcatagcac 60  
 ctctaattccg atataagcgt gaaatcttat tgttagtaga cagagtatcg catcatgcaa 120

tctaattcct gtattgtac

139

<210> 14408  
<211> 391  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14408

gaaaattact caaagaaaat tgcaaacct tactgttata agtaatagaa gcaaactgca 60  
ttgagttata aattacgaaa aaatactata gttcagaaca aaaatgctgc agtcaacatc 120  
atctataatc acattatcta taagattggg tacctgaggt tacctgtaac agttgcatat 180  
taacatcccg cggaacacca ctgagcaagg cagaaatgtt cccactccca cccccctcctt 240  
ttgaacctgc caagtcaaaa gcatcaataa agtaagccac gagccatgac ccttccaaca 300  
taacatataa tagaaaatca gagtaaactc tcattctagt tccgagattg caagtgtagg 360  
tcattntagt tctnttacia aatctcatat t 391

<210> 14409  
<211> 382  
<212> DNA  
<213> Glycine max

<400> 14409

cacagcttca gttgttgatc tgtaaccaa aaggtacgtg atatatgctt gtttgattag 60  
gtgctacatt tagacgagag cttctccaag atcagtattt gtttatcaaa gtaccagtga 120  
cctccaacat atattctttg cacatccatt ctgtggaaca actggaagag atacacaccc 180  
ccttctcctt catgatatta tggtctcgta taatactatt gttttcatca gttaggctga 240  
aaacaaaacc atcatcttct tcatttatca acatgaaacc ctacattacc ttctccatgt 300  
tgtcactctc tcaaaacctc accgtgtgtc actcagaact ctcagtggat tctctcactc 360  
aaactcaaag aacagaacag at 382

<210> 14410  
<211> 381  
<212> DNA  
<213> Glycine max

<400> 14410

atgatctaga gaatgcctgt taccatctgt tcggacatga ttaagttttt aacataatag 60  
 tcatgcttgt attggtttaa gacaattgtg caacaattac tttattaact actacattat 120  
 caattaacca ttagccgttt tacccaagct caagcaagcc tatcacaacc tttcttaaatt 180  
 gttagccatt gatgttacga ccattcaact aactggataa aatttattta ccaattacca 240  
 ttactggatt gataataggg taccaaact gattgttagc acaaaatatt gcttgctctt 300  
 tagtaattgg atgttcattg ttaacagata atatctgata ttgcctctgt gccagctctt 360  
 atttctctct agcgagtata t 381

<210> 14411  
 <211> 380  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14411

acatgactta caagcatgat ctagaggtag cattagtcac ggggtagaca ttagaagcta 60  
 cacatgactt aaaattcatc acaagatgca atgtataaac aacaatgaag acatttgtgt 120  
 ctacatagtc aagaagcaca caccagaagt tgtgacgaac aaagtcatgc actagtgtac 180  
 taatgcaata tcatgacaaa ctctctaat atcaatgatc aaatatgaag aacagagcta 240  
 gtcacgtact actattacta tattaataag ttaaccgtga gagacaaaaa tgagtctcta 300  
 acatctgcaa tgttaacaaa aggatctaca ccattatgta gaagactcac tnttctaaaa 360  
 gagtagcaaa actcatgact 380

<210> 14412  
 <211> 393  
 <212> DNA  
 <213> Glycine max

<400> 14412

agcttggttc atcgatatg cgagacagag accaacgtgt tagctatcat cgccgagtac 60  
 caagatgagt taggtctagc cacggccac gagcatacaa tcgcgatga gtatgctcaa 120  
 gtatatgcgg aaaaagacgc tagaggaagg gtaatcgact ctttacacca agaggcaacc 180  
 atgtggatgg atcggagggc tcttaccttg aacgggagtc aagaacttcc ccgattgtga 240

gccaaggcca atgcatggc agacacctac tccgaccgag aagagatata tgggctgctc 300  
 ggctattgtc agcgtatgat agacttaatg gccacataa tcagagatcg acaggaaact 360  
 tgtatgggct ctcagaccgt gactagatat gac 393

<210> 14413  
 <211> 394  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14413

attcaaatc caagtctgaa gagtcacaac tcttcataaa ctaactgtgt aatcgattac 60  
 cacatttatg taatcgatta ccactaagga attttcgaaa ataactccca agaatacaca 120  
 ccgttcaaga agttcttgaa tgaccatcaa aggcctataa atagggtgact tgtgatacga 180  
 aattcattag agtntttttt aataacattg tcttatcttc tcaaaaccaa attgtcttat 240  
 cactctcaaa atattccttg gccaaagatac tttcaaattc aataaggaat cttgatcgat 300  
 cttcaattgt aatatgcttc tcttaaagag agaaaattct tcttcttctt attcacagag 360  
 atctgtttta gagaccaatg gtctcttaag ttgt 394

<210> 14414  
 <211> 434  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14414

agctttcatg cattttagt acgctttctt gatctgcctt ggagtggcat ctggaagctg 60  
 gtgaaatgga tcaaccaatc attaaacata cactatacag tatgatatta atatatatct 120  
 tgataataat gttctctctc ttccctcaat tataacacta ctctaaaaga aggggaaggag 180  
 ggaaagtcca ccggttcgat cccaactaat aaattaacga ttaacattta ttaataataa 240  
 aaaaaatta tagcattact ctcacagcca caattactct agatgtaact ttcgaattag 300  
 ttgttacaaa attagagtaa gtaaaaaaag ttngccagta tcatgtattg tattaaattc 360  
 ttcatttgtg gttaactgat tgagcagctt ggatgggtta ttgtaaatct tgtgatactn 420  
 tcttcaattc atat 434

<210> 14415  
 <211> 433  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14415

tggccaaatg caacacaatt tgttcccaat aaatccatat ctctttatga tcaatcataa 60  
 gagcattggt tagggacctc atccaatgaa agtattcaac tnttggattg atgaaacgag 120  
 ctttcttgac tttgtaagga aggcatacaa atcctacaat gttcaaggat gaggtgctta 180  
 tgtggtcaaa gagaaactca agctcctaaa aaaaatcatc aataagtgga gtgtggacaa 240  
 gggtgggagt catcaaacac aagtcgacaa gttggtggcc aatataactt ctttggatgt 300  
 tggaagaatt tcatangaga aggtgtgtga aagggaagac atgctcaang gagtttggaa 360  
 gaatgcaaga atccaagaat taattaatct gcanaagttt atgcttaagt ggccaatata 420  
 actttccttg gat 433

<210> 14416  
 <211> 423  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14416

agcttggttc gaggtactta cccgttgaag atcgaagaac gatgaagaac gtcgaagaac 60  
 gggtgaaacc tttgcgaaat tcttcacgga aaacggtacg gaaacgtttc ggaagcgctt 120  
 cggcttagat tttcttcacg gaaacgattt ttccaagcaa attcgaaaga gatagaagtg 180  
 ccaaaggggc tgaacccctt ccttcttcac ttctccctt atttatagta aaatagggga 240  
 ggtggttgcc gccagctcg cccagggcag ccaggttgct tctccagaa gcaacagcct 300  
 tctggaggaa tattctggag ggcccaagtg ggctgggtg ctatttgcac cccattttt 360  
 actaagtaca cctcctctg ccttnttgg tgattctttt ttcgtanagt tacggaaact 420  
 tac 423

<210> 14417  
 <211> 413  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14417

cctcgaactc gctaagctca tataacttag acgaattttt ttatttntgc cttgcgctaa 60  
gcgcctcact tttgcactaa gcgttattca ttgcggtttg tataaagcta agcgagactt 120  
gctcgctaag cccaatagcg tctagtagtc gagtcgcgct aagcgagcac ctctcgctaa 180  
gcgcatgttt aaaactgttt ttccctgagc taagagagtg cctatctcgc taagccaatt 240  
atgcagaaaa gattttctgt cataactcgc taagcctatg agttatttct cataaggcac 300  
gctaagcgag catgatctcg ttgagcgccc actgtgtttt tcagttttta atgcatgctt 360  
tcaatttaaa taaaagttag ctaatatagt tntaatgggt cttttgtcac aaa 413

<210> 14418

<211> 401

<212> DNA

<213> Glycine max

<400> 14418

agcttatttt atttcaatta tgcgacgacg agaaaacaaa acacaattaa agggatgaaa 60  
ttcatacttt aataagttta tgggatgaaa aatatgtttt aatcattatt ttattaaaaa 120  
cttaattata tcttatattc taaggtttaa tttgatccct caatttttaa aatgtttaat 180  
ttgatctttc aattatttag aatgaaacaa ctatatcttt tgcacatat ctcttaatta 240  
tgtggtgaaa atagattttt tttttattac ttgtcaacac aattgatgta aaacattata 300  
tttctaaaat taattgtttg gccaccgatg ttaaaagata tcttcaaac tttaccaaat 360  
ctagcctttt acatcgattg tcaagcaacc gatttttaaa a 401

<210> 14419

<211> 382

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14419

ntgagccaca atcctaactc accatagacc ttgacttant gtgatatatg tcaatcctta 60  
ccctcggaag caaaaaagaa gagaaggaaa atttccaatc aaagaaaaaa aagagaagga 120

taattttccaa tcaaagagaa agtaaaaaaa agagagaagg aaaattttcca atcaaaggaa 180  
 aaaagagagg aaaggaaatt cccaatcaaa gagggggaga aagcgaaaag aaaagaaaca 240  
 aaattcccaa ccaaagagt ggagaaagta aaaggaagga aagaaagctc ctgatcaagg 300  
 atcgaaagaa atcanaagaa atgtgcagaa aggtctttgg accagacaat atctgaacag 360  
 tacagaattg tcaccaaata aa 382

<210> 14420  
 <211> 396  
 <212> DNA  
 <213> Glycine max

<400> 14420

agctttatatt gttttggaat caaataaaga accaaaaata gtctcatatt ggaaaaattg 60  
 ttcatatcgt gtctcaatag aattaattaa ttgatctaata atgtataaaa aatactcgat 120  
 acgaacagat tcttcacgtg aatgtgtgat ctcatcacta atattttcat caaaatgaga 180  
 ttttctatga attttacgtt tttcacaaaa ttttggtctc atatccattt cgatagccat 240  
 tttttctgtg gattctaaag tcatgcaaa cccgtcttcc ctataatgtt ttatataagc 300  
 gataagacct tttaaagat ctatagcaac atctatatgc atatctttgg attgtacaat 360  
 cctgctaaca gaaattgcaa caaacaacat atcata 396

<210> 14421  
 <211> 339  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14421

ccctgatccg aatagncgag gttggtttct ccgctatatt tatttggttg ggaaaaattc 60  
 aatgcagggc atatcatttc caattttctg gttctaaaac caatgttcaa aattgattct 120  
 ggaattagca acaatacatg tctccacttg tatgaaatgt gacaaggcaa tttgatatta 180  
 agacgtagga atgcaatttg agaaggctag gtgcttgaga tgtaaatgtg agacgcgact 240  
 ttgattgcac atacttaggc ttatatctac aaggaagact atgataactt tattttatttt 300  
 ttggngaggt caccttctaa ctctatgctg gcttaagga 339



<210> 14422  
 <211> 426  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14422

atctttcatt attgaaatca ggtgcagcca tctccctaag agtcctctta cgaagtggag 60  
 gttgagtcatt gttctcagta tgaaaattac tagtcgaatg ctcaaaatca gaatattcag 120  
 aatcaccagc aacagaatac tcaaaatgct caaaatgcac agaatgacca agatgcacac 180  
 tatgcctaac taatctatga aagggttctat ctattccagg atcaaaggat tgtaaatac 240  
 ctggattacc cctagtcatg cactatatgc agcaaatac gtgtntctca gacaagcacc 300  
 agcggagggt taaaactaca actatagtaa aacgatatcc atatgagctg aaattctgtg 360  
 atcaacaccc tataataatg aaaagatagc acaaaaattt tcagactaaa attcaaagtc 420  
 taacta 426

<210> 14423  
 <211> 329  
 <212> DNA  
 <213> Glycine max

<400> 14423

cccatgttga cacagatatc ctagctacta tatatactaa tctttcttca tgtgggtgct 60  
 taactaaata tatatgtatt tctgacaaat cacacattag tatgaaaatg aatgatagtg 120  
 gtacacaagt tccagtacaa tagttgaaat tcaataggag gttggcaaata tcataactca 180  
 gaaatagaga aaacaaaaat cttatcaaaa ggtaaggga atctgattca ggcattcgag 240  
 tcaagccaat atgaatatta attttcacct gtagctaata cacagaacat aacaggaata 300  
 atagcatata ctgagatcga ttactttac 329

<210> 14424  
 <211> 346  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14424

atcttgttgt ccgcgattga caaagggtgc agaagacgac gttagtctct gcattgctatc 60

atgcggtgac tgtttagcgat agcaaaagaa tgtttataact aataaccact tgggtatttc 120  
 tgccggcccc ctaacttcac gacttattac cgacagagtt tgtaagcgtg gaagacgac 180  
 tatactctcg catgtgaacg agcttggttg ccgcgattga caaatggtgc agaagacgac 240  
 atatgttttt tcatggtatc atgcattgag tcttacagat agcaaaagaa tgtttatag 300  
 gataaccact tnggtattta cgccgacccc caacatctcg agtttg 346

<210> 14425  
 <211> 331  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14425

tcaagaaaa gatggcctca gcaaattcct tatttcgga atggaatnct atcaatagac 60  
 ctccaatctt taatggagag gggtaccact actggaaaac ccgaatgcaa atttttatcg 120  
 aggcaataga tctaaatata tgggaagcca tagaaatagg gccttatata cccaccacag 180  
 tagaaagagt ttcaatagat ggtagttcat caagtgaag cataaccata gaaaaatcta 240  
 aagataaatg gtctgaagag gatagaaaac gagtacaata caacttaaaa gctcaaaaca 300  
 taataacatc tgccctaaga atggatgaat a 331

<210> 14426  
 <211> 337  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14426

cttttcacat gaatgtccga ttcgggcgca taatatgtcg agaagctcga aattgaacaa 60  
 cggaagctct tgagaaattc aaatgggtcat aacttttcac acggatgtcc gattcaggct 120  
 tataatatat cgatacgctc gaaattaaac atcagaaact ctcgcgaaat ttaaatggtc 180  
 ataacttttc acacggatgt ccaattcggg cgcataatat gtcgagaggc tcgaaattga 240  
 acaacggaag ctctcgtgag attcanatgg tcataactct tcacatggat gtgcgattca 300  
 ggcgcataat atgtcgagag gctcgaaatt gaacaac 337

<210> 14427  
 <211> 395  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14427

tccgacatcc ggtgnaagtt atgaccatta gaattttctca agagcttccg ntgggtcaatt 60  
 tcgagcgtct cgacatatta tgcgcccga tccgacatcc gtgtgaaaag tcatgatcat 120  
 ttgaatntct cgagagtttc cgatgtttta tttcgagcgt atcgatatata tataagcttg 180  
 aatcggacat ccgtgtgaaa agttatgacc atttgaatgt ctcaagagct tccgttggtc 240  
 aatttcgagc ctctcgacat attatgcgcc cgaatcggac atccgtgtga aaagttatga 300  
 tcatttgaat ttctcgagag tttccgatgt ttaatttcga gcgtatcgat atattataac 360  
 cctgaatcgt acctccgtgt gacaagttat gacca 395

<210> 14428  
 <211> 357  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14428

accaaagatg atgacaaaaa gcccaagaga atgatttcaa gattgactca acaagtttca 60  
 agaatcaaga gaagtttgat ttcaagattc aagagaagat gaattcaaga ttcaagagaa 120  
 gaaatcaaga agacttcaca aggggaagtat tgaaaagatt tttcaaaaaa caaacatagc 180  
 acagtttttt ttttcaaaac agttttttctc anaattttct aagctaccag agtttttact 240  
 ctctggtaat cgattactag tttcctgtaa tcgattacca gtggcaaagt ttgatttcaa 300  
 aagttttcaa ctgaatntgc aatgttccaa ttaatttcaa aatgggtgtaa tcgatta 357

<210> 14429  
 <211> 379  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14429

ttcctaacta gatgatata atgatggatg ttaatgtgtn caaccctaca atgccccaac 60



tttcaaagtt ttgctaccta aagccacatg caaattcaag catatgttcc tgtgctgact 360  
acaattgtat tcaaactaca acgtatatac tttttgtgaa tatgttttct tacataacat 420  
gcacatatta tattatttt 439

<210> 14432  
<211> 431  
<212> DNA  
<213> Glycine max

<400> 14432

ctgtctggcg tttatacatc agcgcacaca cgagtgagga gtcaggatga ttcacatatt 60  
cgcttgacct gtacgacagc gagaggcgcg ctatgccatc tgcactgccc gcacaacatt 120  
gctgagatac cgtgccgccc aatcctgctt tgatgccaaa gcttgctgca tggcggatag 180  
ctgcctaaac ggccttgctc aggggggtcct ggacatattc gaaattatcc caatccgcct 240  
tcggtcaggt gatagcgggtg gctacgtcga tcaaactgat aacatgaatc caactgctta 300  
cgaccgcacc gaagaatatg tctctggcga catttgaaag gaaaagctgt gagacgggat 360  
cgcggttaga gcatgacatc cggtgtgcc ctgtaagcct ggggacgcgg cgcaggactc 420  
ttggaaaacc c 431

<210> 14433  
<211> 159  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14433

cacactgact aatattccta actgtctctg ctgtcagacg ttcttccaac tcaccaaacy 60  
atacatcttn tttccctctc aatgacccaa tgattatcta tctcacttca ctttcttctc 120  
gettacttcc cctcacactc ttacgtgctt catcactta 159

<210> 14434  
<211> 396  
<212> DNA  
<213> Glycine max

<400> 14434

ccaatgaaag gatcgatgtg ggtctgaaaa aaggcaaatt tagtcacctt gcttggacga 60

atgagaaaac tggggcaa at gaagagggtg agaaagaggg agaaacccat gctgtgactg 120  
ccattcctat acgaccaagt ttcccaccaa cccaacaatg tcattactca gccataaca 180  
aacctcttcc ttaccaccg ccagttatc cacaaaggcc atccctaaat caaccacaaa 240  
gcctgtctac cgcacttcca atgacgaaga ccacctttag cacaaaccaa ataacaccaa 300  
caaataggaa ttttgcagca aatagcctgt agggttcacc ccaaattccg ttgtcatatg 360  
ctaaacttga tcccatatcc actcaataat tcaatg 396

<210> 14435  
<211> 431  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14435

ctcgcccagg cgagcagggg tgcttctcc ttaacttcag ccttctggag gaatcatctg 60  
gagggcccaa gtgggcctgg ttgtatattg caccgccatt ttactaagt acacccctg 120  
cctttttttg gtgattcctt tttcgtaaag ttacggaaac ttacgaattt cgtaacgata 180  
cttgttttct tttcgtaatg ttacggaacc ttgcgatta cataatcatc cccttttttg 240  
acttacggaa tgttacggaa cctcactaat tgtgcatcga tgcttcatt tgatttccg 300  
tgtgtcacgg aaccttacgg attgtgcac aatatntct ttngttttct ggcatgtcct 360  
ggaatttcac gaattgccta atgatgggtg ccaagcacct aacaaggacc aaacaanagt 420  
cgcatgtcat c 431

<210> 14436  
<211> 399  
<212> DNA  
<213> Glycine max

<400> 14436

aacgagacat cgggagcgat tcaagatatg acgagcgggc atccctattg actgatttcg 60  
cgagtgactg ccgcattatt aggaatcaag acaagtatga ttccacgatt cctgaggaga 120  
tgatttcatt attctagata ttaactcagg aagacttccc aaggtaatta ttgtatcgat 180  
cgttcacata atctacatag cacagtgtct ttatttataa ctggctttat catatctctc 240

taaggtccca tattgtttac tatctggtat agatgactag atcctgtata gatttccatg 300  
 ggaatattct gtgtctaacg ttcaactgat tccaatgttg ccacttttta taatgggtga 360  
 cattgaccaa tgtagttttc gatacattat tgccgacat 399

<210> 14437  
 <211> 435  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14437

tctctataaa ggtctcaatt tgcttgttta agtgcttggt ntgagctagt aatgcatctt 60  
 gagatgtgag ctcaacaaga ctcttctttg taggtttgta agctcattcg tgaaagatgg 120  
 catgatcact gattgccata ttntccatta actccatagc ttcacaaacg gtctttaatt 180  
 taatttttct gccagcggat gcatcaagaa gtccttgga atgggggtcgc aagccatcaa 240  
 tgaatatatt taactgaaca ggctcactga acccgtgagt aagagtcttt tggagtaaaa 300  
 catggaagcg agcaagagct tcaacttaatg attcatcang gaattgatgg aatgatgaga 360  
 tntccacett ccttttagca atcttggact cttgaaaata tttatttagg aagatctcca 420  
 ccatatcttc ccatg 435

<210> 14438  
 <211> 520  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14438

aggagtcggt tagcatcact acacannent nnannacnag cncngagga tcttntnnag 60  
 acgagctgca agcatgcatg cttatttate ttttctcact aatctgctcc atgcgtggac 120  
 tattacaacc tgtacctctg caccaccacc atgtgcggaa atagtactca atctactgat 180  
 taacaacata tattacagca tatatattat aatgaagcac actgtcagat gatagataga 240  
 ctagtatact actacctctg ggacggtata tgaactagaa gtcgaagct cgctgtctag 300  
 aaataggtga gacgatttca tactctgccc cactccaaca acagctgctt cgtacgctca 360  
 ttattttcat tcatcatatt actgagcgac ccgcttggca cttgctgacc cgtgccatgt 420

gcattacttc tgagactcac cttgtgcgaa tgagctcgga gacacaaaaa cagacaccct 480  
cctataatat accccaacgat ccgctgaggc cctgcttctg 520

<210> 14439  
<211> 376  
<212> DNA  
<213> Glycine max

<400> 14439

ttatattcat gacgatcgag agatttggtt ttttgatgag ttatgaatta ttggatatat 60  
cataaaaaag gtgtgagacc atgagagctc taaaataata tctgaatata cttacacgta 120  
cattatatat attagttctt ttttcattgt catacatttt atattatatt atacacgggg 180  
tttaaacttt atgctaaatc aacttctatt attaatttta caaatccata aaattggcag 240  
aaaagctacg tcatctagtt aacgaagttt tttatgcttc aaggaatttg aaattcacta 300  
tatagacagg cctgatcaat tgtcattagt tatttaatgt cacgtaaaca aattaattaa 360  
ttaaacaaaa cgaatg 376

<210> 14440  
<211> 428  
<212> DNA  
<213> Glycine max

<400> 14440

agcttgtctt tggtttagac atgatttata tatgatttag gactttagg attcaatttg 60  
ggcaaaattg gatgaaggca agagtgggtt ttgaaatctg cactttatgc agaattttgc 120  
tgtggaaatg tgcagcagaa ttttgcataa gtgcagaaaa atgcttatgt atggttggct 180  
gtggaaaggg tagtgcacat ggggttctgg acatttttta gtagatccca acggtcaaaa 240  
ggtaggctta tgtactagag acttccagta aaattttcga gtcgatccaa cgggttaacga 300  
cttgcaaaga agaaaagggt actgggatat ttgtatgtga aaagctgtga ttttggtatg 360  
tgttttaagc agagttttct gcctttgccc tgttttgctt ggttttgtta gcttgtgatg 420  
atgggatg 428

<210> 14441  
<211> 231  
<212> DNA



<213> Glycine max

<400> 14441

cccgttgaag atcgaggaac tatgtttatc gagtgcgaa cgtccaagaa cgggtgaaac 60  
ctttgcgaaa ttcttcacgg aaaacgttac ggaaacgttt cggaagcgcc tcagcttata 120  
ttctcttcac ggaaacaatg tttccaagca aattctaaag agagagaagt gccaaagggg 180  
ctgaaccctt ttcttcttca ctctctcccc tatttatagc aaaatagggg a 231

<210> 14442

<211> 411

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14442

agcctatctt ttatatgaaa ccccccaaa aattctcaaa tgtgaaagtt ttaccttctt 60  
tcttgaccat acttcttttg gaagctgata attcanagga actgatggtc ctctattgat 120  
gagatatggt gttgtgttta ttgcttctgc ccagaatggt ttatgcaagc cagattggat 180  
ccacaaacac cccgctctct tgttcaaggt tctattcatc ctttctacaa caccattttg 240  
ctcaggtggt cctagtattg gcttaataat tctgattcca tgttctgaac aaaagtcctt 300  
anaatcctga ctatcact ctctgtcatt gtcagatttt agactnttaa cctttagacc 360  
tgtntgattt tcaacttctg ttgtccactt ttaaacacag aaaacacatc a 411

<210> 14443

<211> 386

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14443

atcttgatgg ttttgaagat ggttattaat gaaacaaaga taaatggaga aaaagtgcaa 60  
tttaaattatt tctgatttag gaaaagaaca gggatacttc tacataatga aaattcacca 120  
aatctgtata tgtgctataa aaacatgcct ttttagtctt tagtgacagt aatngttttg 180  
ttcttacctt tctgggtttt gtcatgcgaa tntgagtttg tttgacttgc cctcattatt 240  
gcctaagtct atctggactt tcagggagag tggatcttat ctngaaaaga tgctngcaac 300

aactacaaat tacttcatct ttatatgtat gccgcgaagt gtgaaaatct tggccattca 360  
aaggatccgt tcttgactca agtttc 386

<210> 14444  
<211> 323  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14444

caactaaaag tgcaacacgg atactcttca gatatcaaga gccttgcac cctcaataat 60  
actatattgg cgagcctgta gtcgtatgat tgtcacatgt taatgcacca actattggat 120  
gtagcgatta gcgatatctt gcctgacata gctatggttg ccataactcg tgtgtgctct 180  
tctttaatgc tatntgtagc caatgtattg accctcgaca atcggtatgat ttgaacaatg 240  
aagctgccat cggccttagt caattgtagt tgtatcttac tgcacactt attgacataa 300  
tggatcactt aattcgtcat ctc 323

<210> 14445  
<211> 232  
<212> DNA  
<213> Glycine max

<400> 14445

ctggccatcg gccgggatga tcatggctct ccaggctgga caggcagaag caatgtgtcc 60  
tctgactaag cattggaagc attgtatggt actggtgccg gcgccggatg atgagacaaa 120  
actatgctcg gtttcatgga cttacattgc attaaacttc attaaagagc gcaagataca 180  
tcaataaatt tgacaactcg agcttatcct ggaatgatat ccatataaca ca 232

<210> 14446  
<211> 226  
<212> DNA  
<213> Glycine max

<400> 14446

ataacatgct taatgtggcg accattcaat ttttactttc aaatgtatat caatgagcgg 60  
aatcttgctt caatttatgg atccgcgagt atatttatga catcagtact aatatgtcat 120  
atgcactgta ggataagtta ttggcttgac tattcgatgt cattagatta tgattctccg 180

agaagtctag cggctctatg gaagaataat acatctcgac ttatct

226

<210> 14447  
<211> 247  
<212> DNA  
<213> Glycine max

<400> 14447

tagtgagaa tgatacaacc atgataatga tgattaattt gtgatagcat atggagaact 60  
aggaatgaca aagtctggaa tggagtgacc cctcacacat agtgccaatt agggatcatg 120  
ataccctata tcaatggagg tgtgctatgc gtatcatgca agagccacct catagacctc 180  
tcacacacca agtacatgat tggatatgct cgccaccagg ttatttgaaa ttcaatgtag 240  
atgtttgt 247

<210> 14448  
<211> 414  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14448

agtctttatg ctatgtggta ccatgtcagt gaaaaacctc ggcgggcgcc tatgagtaca 60  
tgacaagaca agccacacaa tagtaagtca agtcactctc actaggtaat atcataggga 120  
gaccagtcag ggtcacagtg ttttgcgaga attttccaac catatgagat caacatatgc 180  
ttaaaggagc actcaaaccg tgtgaccccc aaggcctaca ctccgaagag tccgtcaggg 240  
cctctccctc ctgattcatg tccaaccaag agaatatattt agcacacaga ctctatctat 300  
gaactgtaca aaacacatga cttctcaatt gttctcaaaa tacatntaac tcgtcgctcct 360  
ttaagggtct tatcattaac tcgtcgccct taaagggact taacattaac tcgt 414

<210> 14449  
<211> 511  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14449

agggtgaagc agtcgncgac tnctnnctng attaanaccc cccccgcgtn caancgccac 60

acagaatggt aggcggggtt ctttttttat gccgtaccga cactgggatg gagtatatcg 120  
 ttaagtgtct cgatcttgcg ctctttgtgc tacgattggg ttctgcgata taattctgcc 180  
 taagggtggga aattcgcgta gctcctcntt cagaggctat caccattcta ggcgtttttt 240  
 tagtggtgctc gtctgtcggt agatacttcc ttgcctttct ctcttggtcc tegtgtcata 300  
 atacttctct cgctgaactc tggcctcctt gatcctctat tgctattctc gccgtgtact 360  
 gagtctccta tctctcttta caattagatg ctctgtagga acattccatc ttttgctttt 420  
 tctttttttc cgtgtgaggg gtacatttgt gcattttttc gtatcggttt tcccttcgtt 480  
 tcgatttttg gctgctttca caattgctat g 511

<210> 14450  
 <211> 362  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14450

aaaaaataat tccaaacctc ctatatgttc ctggtaataa tcccgatgaat ataaaaatta 60  
 aaccaaata aatattgcaa tccaaataag catgtcttca tagtnttact atacactntt 120  
 ggaagcttca agttctcann atttgttggt gggttataga aagctntgga nnagcttgat 180  
 tttcttctta ttattccgag aatatganag caatggaaga aagatattgc atagctaana 240  
 acgtatgttg tcctgagat actatacacg ttgaaagctg ctggtgcttg aagttttgta 300  
 ccgacaaact tatagaaaca tatgcgtacg tgaattagat ttctaattat gatatacatc 360  
 at 362

<210> 14451  
 <211> 456  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14451

actcaagctg gactgacctc nacattatgg tacttatcta tgagagcttg tgtatttngt 60  
 tttatggtgt gaaagcttat ggtacttaat tagcatgcac tgggtcatgt gcgcatcata 120  
 tgctntagtc tancatgaaa ttatggctga gccatgttgg ttctttggta taggaagtgt 180

cacatgaaat ttgctagcag ttttctgctc acgtggttga gctcttatgc acactntgga 240  
gcaattcgtg ctagcaattt tctttggatt tgtacaatct ccataatagt taaagcagct 300  
tgtagagttt gaaaaataat cacatgattt aatgtcctgt tcttctcttt ctcttggaat 360  
ttacacattg ccttggagct ggtattngaa ctntgaaata nagagaacaa ggaatgacca 420  
ttactacaag cagaaaagta tgtcagcaaa atgatt 456

<210> 14452  
<211> 325  
<212> DNA  
<213> Glycine max

<400> 14452

ctcgatatac tataggcctg aattggacat ccgtgtgaca agttatgacc atttgaattg 60  
atgcagagct tgcgtcgttc aattttgagc atctcgacat atgatcagcc tgactcggac 120  
cttagtgcca aaggtatgac catctgaatc actcaacaac ttgcatgtt gattctcgag 180  
cgtctctata tgagaatcgc ctgaatcaga ggtgagagct aaaagtcag accattttaa 240  
ttgctcaaga gcttccggtg tcaatctcaa gcggatcggg gtgagcagcg catgaatcgg 300  
agatccgtgt gaatagatat gacca 325

<210> 14453  
<211> 280  
<212> DNA  
<213> Glycine max

<400> 14453

gaatcggaca tccgagtga aagtgattat ctttttgaat ttctcgagag cttctatgtt 60  
taattatgag cgtctcgata tattatacgc ctgaatcga cctcagtgtg aaaagtatga 120  
ccatttgaat tcttttagaca tacgatgtca ttttgagcgt tctatatgtg atgaccttat 180  
cagacctcct gtgaaaggat gacattgaat tctcgagagc ttcggtgtca atttcagcgc 240  
tcacatttat gcccgatcg acatctggga aagtatgaca 280

<210> 14454  
<211> 389  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
 <400> 14454

taacctagaa taaaaataac ttaatgccat taacctatgg aattaaaaca aacttaatgg 60  
 ctgagtgtaa ctgaaattgt tggcaaccaa aagtcaccct caacagccaa caagtcagcc 120  
 accatttggc ctcccaaaag gctgatgcct aagttgccaa ttgcgcctt attacaactt 180  
 gaactaaagc ccttttagtt gattaaccca aaacatattt ttggtcaacc aactttacaa 240  
 ggatagggcc attattttaga caaactaaac actctaaaat tgaaataaag tgggtgtcatt 300  
 tagtcctgca tgtgggccat gatacaactc acaaccttgg actnttctcc ttgaaacttg 360  
 cgctagtatt ccaatagtat ggacagcac 389

<210> 14455  
 <211> 382  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14455

ctcggatggt ttatttatgc gcataatata tcgagacgct cgagggttgaa taatggaagc 60  
 tattgagcaa ttccaatggt cataactggt aaactcggaa gtccgattga ggcacataat 120  
 atattgacac gctcgacatt gaacaacgga agctctcgag atattcaaatt ggtcataact 180  
 tttaactcgg aagtcngatt gagacgcata atatatcgag acgctcgaaa ttgaacaatg 240  
 gaagctcttg agcaattcca atggtcataa cttataactc ggatggccga ttcaagcgca 300  
 taatatctcg agacgttcga cattgaacaa tggaagctct tgagcaattc aaatgggcat 360  
 aactcttcac tcggatgtac ga 382

<210> 14456  
 <211> 440  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14456

tgctgccag cctcgtattt tctcttatat ggggaaaccg ctcatgtga actttcataa 60  
 atggggctcc acacattcaa ccagctactt gaggacaaca ggtgagcatt ggactaccac 120

cgtcagaact ctcattcctc gtgggaacag tcagtgttc acatgactct tactgtgtga 180  
 ctaagtacat cactcgtgaa accgacttcc tataacgaat tttagaaaac atccttcaca 240  
 agccacagct gagctacaca ctcccgaatg gtcactaatc gcctctccct cagataccag 300  
 acctggaaga tctctatgga agcttgagca gacccacacc tactcatact acttgtgata 360  
 tcgcactctt cagatgtaga acctaagcca gctacgcac cccgatataa ctcacgctac 420  
 cgcactcttc aagaaggatn 440

<210> 14457  
 <211> 130  
 <212> DNA  
 <213> Glycine max

<400> 14457

cccagatgaa atgcgctcga aggttggttt tcttagccca ctccacgggc agcgtcgagt 60  
 cgcccaattg aaagatgcct ccggaatgca atgttttaac gtattgaccc gaactcgaag 120  
 aggcgtgtga 130

<210> 14458  
 <211> 324  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14458

acctatactt aacagaaaat acttataaca caaaatgaaa atactaagta tttttgggcc 60  
 tttagggctc cataatatag gtaagggtacc ctagaaatgt aacatttttc agtccttgta 120  
 ttttagggca cctagactag ttttttgat taggggtagt ttataattt cacatgcatt 180  
 aagtgaatat ttgatgtgtg tggttgtaaa taaatntaat tgaattggga gaagcccaat 240  
 ccaattataa ttttagagggg gaggtgagca tttgcttgta caccattg cacatcatat 300  
 agcacacttt gtgtgtgcct tcat 324

<210> 14459  
 <211> 292  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 14459

ctaaaagctt ttcaccctta tcgacgattg aaaaaagctt ttaatggaag tcaggggaat 60

gaangccccc cagaaccatt aactggaaac caagttcatg atcgcgtaaa ggacattgta 120

accgtgtttg ggaagtccca gaagaagaca tcacttccca acaacatgtg gaagaaacgc 180

tcaatattct ttgatcttcc atactgggtct gatctatatg tgcgtcactg tctagatggt 240

atgcatgtgg agaaaaatgt gtgtgatagt ttaattngta ctcttcttaa ca 292

<210> 14460

<211> 388

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14460

cccacttaaa ctccaaaact gagcagagtt gctcattctt cctccatttt cacaagctgg 60

tcaaaaggaa agaagacatc atttccactc ttcttccaag attttccaac cgtaaaagaa 120

ccctccttcc atcaagctta ggtgaatgac ctccattttc acttcattat cttgctctat 180

tctcacttgt agtttcaaact cttatatctg cactcttgaa cgttggaaac aagaatccaa 240

actccctcat tctgccttct aaatttggtg gagactacaa cacgtanggg gtgtctctcc 300

aactcttgaa ccctatgctt ttagttaact tccttgaaca tgttgccttg aaattcccgt 360

gctagttgcc tatcctggat ctgtgtgc 388

<210> 14461

<211> 206

<212> DNA

<213> Glycine max

<400> 14461

gaatcggacc ttagtgtaaa aagttatgac cgtgagaatt gctgtggagc atccgttgga 60

catttcccag cagagctata tgtgatgcac ctgagtcgga cctgcaggtg aaaagggacg 120

accgagcgaa tttcgcgagc gctttcggtg ggcaatggca gccgccacac atgttaacgc 180

ccctagtcga acatccatgg gaaaag 206

<210> 14462

<211> 433



<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14462

agcttggtta tgatgcttca atggaggaaa agaaagagg agagaaagag agagggggga 60  
gcacgaaatt gaaggaataa aagaggtata gaagtgaac tttgaagtat gtctcacaag 120  
actctcattc atcaaagtta caacaagtgt tacacatgct tctatttata gactangtag 180  
cttccttgag aagctttctt gagaaagctt ctttgagaaa acttccttga gaagctagag 240  
cttagctaca cacaccctc tcataactaa gctcacctcc ttgagaagct tccttaagaa 300  
gattcctaaa gaagctagag cttagctaca catacctctc taatagctaa gctcacctcc 360  
ttgagatgag aagctagagc ttagctacac acccncata atagctaagc tcaccncat 420  
tgacaaaaac atg 433

<210> 14463  
<211> 303  
<212> DNA  
<213> Glycine max

<400> 14463

ggctggctat tatagaaaga tcattgtatg attttctaaa ttggcattgc ccctaactaa 60  
gttgactcgt aagaatgaga agtctttctg gaatgagaag cgtgatcaaa gtttccaaga 120  
gttgaagagg cggttgacga cagctccagt gttaattttg cccgaccctt atagaacatt 180  
cgaagtgtat tgctatgcaa gcgggcaaag cttgcggtgt gtgttgatgc aagatggaag 240  
agtactggct tatgcttctc gtcaattacg tcctcatgaa tttaactatc cgactcatga 300  
ctt 303

<210> 14464  
<211> 329  
<212> DNA  
<213> Glycine max

<400> 14464

agctttgttg tctatgatca ggtcatcacg cgcgcgctca aggatctcgg cggcgggctcg 60  
ggcaaccacg ccaggatcga cagcattccc gtgcagatgg gcacggccac ggccggcagc 120

acgcccttcg agggccggt gcagctgac gacaaccagg tcgatgccg aagcggcacg 180  
 gtgcgcgtgc gcgccgtctt cgacaacaag gatggcgccc tcatgcccg ccagttcgcc 240  
 cgcacccgca tgggccaggc gcgcgacagc agcatgctgc tggtcagcga gcgcgccatc 300  
 tgcacggacc aaagcaagaa gtacgtgat 329

<210> 14465  
 <211> 213  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14465

atgcgcatgc accctgatca tatacctcac aggccttgca tattcnaagc ggcattgcatg 60  
 ggctttgcaa tgcatacaca cgaacagaat gtcatggaaa ctaataatac ttaatgacaa 120  
 ccatcacttg acctacctgc aagcgcgcct gtcactgttc cccagctgac tgcaccaccg 180  
 cagtgtctta tctacatcac tgatcaaact act 213

<210> 14466  
 <211> 330  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14466

agcttangtt ttttaaang nngaagacaa ttatgtgtgt gttacactga tcacatttat 60  
 atatatacat tactgtatat agtatattgg catttaattt gtattaatag ttcacagtta 120  
 attgttagac gcgcaaaatt tttagctatc tagtaactga tgacgtgagg atgaattgag 180  
 caaaattaat catgttaaac aaatgtagac aataatgtgt gtcttactaa tcatatcaca 240  
 attatataca ttgtggtgga gcaagtgaga gtgaaacttt cttacagaaa gccatacaac 300  
 agcaaggag agccactatc atggacacca 330

<210> 14467  
 <211> 394  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14467

agaagctcat ccagagagat gtagccactn gctttgtttt attaaaagaa aaagcagcaa 60  
 ctgaatgata ttctatttca actttgttta aatgtaatgt tgcagctatg aattctctgt 120  
 agtcaattgt gccactgttg tcaacatctg cctgcgatca gaattatctt ttttttaaaa 180  
 tggaacaaat ggattataat ttataaggat gtgctactaa aactggttaa cactaccttt 240  
 accattctgg attctattta caatgttact tttccctact tgcataacaa tgtgtgacta 300  
 aatgatactc agaagtcttt cccttgtaag actatatctt tagaatggaa ttataaacac 360  
 taccataat ataggtcaag ttacaacttg aaca 394

<210> 14468  
 <211> 419  
 <212> DNA  
 <213> Glycine max

<400> 14468  
 ttcttgtcta attgtacaa ctgcagcca cttcaatcac attgcttctg gaatgcaact 60  
 gaggagtcca ctccctact ccacctcttc tatattgtga ctgttcaca tgcacatcgg 120  
 ctggctcaac tctctcaca gaaccagact ggtccccaag aacctcagt ttatgctcag 180  
 caaaaagctt atcaagctca tcagccttca ttatcagctc atcatgcac ccttgattcc 240  
 ctctagattg cctcacctc tggagttgct gctctaaagg tggagatgag gttgcgcgtg 300  
 cattatcctg agtctccaaa acttgtttca tcttgctact ttcattagca ccaccccttg 360  
 taccttgctc cgtgcttatt agttgttcat ttctaccagg taatggatta tggctactca 419

<210> 14469  
 <211> 317  
 <212> DNA  
 <213> Glycine max

<400> 14469  
 gctctgatac aatagagaga gagaggcttg atattttata tgtacaacag aaagaaaaaa 60  
 aaagattaat cttattgaac tcatgctaga ctgaattcta gatgaggctt tataatagta 120  
 gtgtagaagt aataaaataa aggtgcttaa aaggaggagg ggaaaaaaa ataaataaat 180  
 caacactcgt aacatactat ttttttttaa tcaacaaaat tgggtataaga tatatatatg 240  
 tgggcacaaa ggggggtcaa aaccgtata catgtgattc atggcagaaa accaccata 300

ttggctaccg aatatta

317

<210> 14470  
<211> 363  
<212> DNA  
<213> Glycine max

<400> 14470

agcttatatt tattatactt acgtcatagg attaacagaa tagcttatat cacattataa 60  
aaaaaaggat gacacactga tgataattta aaaagtttta caccagcatc taatcccaac 120  
ccatcttgta tgtaagata gttgattctt atgctaatta ctttataagt tatatcaaca 180  
atgatgatat aatttaataa cggataaaaa ctattttata tatgaggatc aactcattac 240  
attaacaata aaattaccaa gagaatcatg tcttattcta atacgaatat tttataattg 300  
attattagaa taaacaaaga tttctctttt ctcttgctta ctaattgaat gtatcctttt 360  
att 363

<210> 14471  
<211> 287  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14471

gacacatagc cacncaagct gttgcatgat cgtctgggtca tccagctatt tatttgtatt 60  
gatggctect acactcaaga atctgagagt cttaaattga gagtcttgcc aactaggaaa 120  
acatgttaag tcatcatttc ctcaaactgt gcagagatgt aactctgctt tctctaccat 180  
tcaactctgat atttgaggac caagtacggt tacatcttct gactttcagt gttttgtgac 240  
cttcattgat gaatagttca gatgtacttg ggtttatgta atgaaag 287

<210> 14472  
<211> 360  
<212> DNA  
<213> Glycine max

<400> 14472

atcttgattc ttgaatattg attcttgaat tcaactttcc tcttgaatct tgaagtgtcc 60

ttcaaccttt cctcttgagt cttgaactgt tcttgattcc ttcttgata tcttgaactc 120  
atcctttgat tgacctttga gctttttgtc atcacctttg tcatcatcat tgttatcatc 180  
aaaacatctt tgaatcactc ttgattcacc atgaagctct gcttctacaa agaagataac 240  
acagagaaca aacaaaacat cattacatat atagaaatat atttacatta gataacctaca 300  
gggaagatcc aatagaggat atagctctcc atagtccaga aacctctttt acaacaaaga 360

<210> 14473  
<211> 330  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14473

tgccaccag ctcgccagg cgagcagggt tgtttctctc tataagcaac agccttctgg 60  
aggaatcttc tagagggccc aagtgggctt ggttgetatt tgcaccccca tttttactaa 120  
gtacacctcc ttgccttttt tttggtgatt cttttctcgt aaagttacgg aaacttacga 180  
atttcgtaac gatacttggt ttctttccgt aatggtacgg aaccttggtg attacataat 240  
catccccctt ttgacttacg gaatgttacg gaacctcact aatngtgcaa cgatgcttcc 300  
atttgatttt cgggtgtgtca tggaacctta 330

<210> 14474  
<211> 532  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14474

aggacgtggt tcgacnttct gttannaccc cncnaannnn aannaangcn nccngcggga 60  
nnncannaaa nnaccgccc ggtatgggagc gacgcttctt tttatttttc ntaancanna 120  
cgcacaccga gaacggggag gggctacgac gacangcgac ggagacaccc gccnnggcag 180  
cgacaaccgg ggggacaaca gaggagccaa ccgagccaga acgacncgga cagacagcca 240  
ccagaaaaca ccgcccggaa gcataaaaac gccggaaaga cgccccacac agccacaggg 300  
caacacgcac aaccaagcaa gacacagcga cagcaggagc caacaaccag ccaaaaagcn 360  
ggcagcacca acgncacacc ggagagacac gaaaccaacc cagagaaaaa cgccccacag 420

atgaaccacg aaacctctga tcatgagacc aaacttatat gctgacgctg tgactcacia 480  
gaggggttggg ctcaatcgat cacaccacta cctcataggt gagtgtgcac cg 532

<210> 14475  
<211> 427  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14475

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aacagaagct ctgagcatat tcaaacgaca ttaactnntt tctcggatgt acgatttgtt 120  
cccttagtat atctagacgc tcgcaattga aaacggaagc tcgtagcaaa ttcaaacgac 180  
aatacacttt aactcagatg tctgactgag tctttagta tatcgagacg ctcgatattg 240  
aaacataagg tctgagcaaa ttcaaacgac tataactttt tactcggatg tccgattgag 300  
tcccgttaata tatcgagacg ctccaaattg aaatagtagc ttctagcata ttcaacaac 360  
aataactttt tactccgatg tccgattgag tcccataata tatcgagacg ctccacattg 420  
aaaacat 427

<210> 14476  
<211> 429  
<212> DNA  
<213> Glycine max

<400> 14476

gcttttatca tggcgatact tgaggggaca gatactaagc accggtcctg tgtgaaaggg 60  
gacactttaa aggacttcct atatgatgaa tcgcatatgc agggtgacat gcactcgcca 120  
aataattcat ctgcacgaca tgctctgagc ttacttcgtc aactgcaaca catcaatctg 180  
tctaaaacct actcccatc gacagtttgt aagactcaga tcactctgtg gtgatatgcg 240  
agaaatacaa gagaacttta tgctcaatgt gaaagtcac cgctcatgga tacgatgcca 300  
ttgacgtggc tgcattgtgag agacagatag tatataaata atgtctaaga ctctatgaac 360  
atatataggc acacataatc aagtgatcac atgaagagag ggactgaatc tttggcttat 420  
cattaatgg 429

<210> 14477  
 <211> 480  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14477

nnttaaccaa ttacgagatn gcacattgat acacaagctn cctcctgaca tctggctctgc 60  
 ttgaagtgga ctgcaaccat atactttant tgtaccccat acctcaaccc tggaccttaa 120  
 tacagcaatg catctctttg aagtaaaata ccctcggett acttcctcgt cttgagcctc 180  
 catacatttc caccttggtta aagcaccgaa ctaagctccc ccatggatga gcatacgctc 240  
 atcatacagg ctcacccact aactgaagct ttgaccacaa gaactgatac ctttaagctt 300  
 aacattctta cattgtttcg ccaatagact atccttaact gcgtgtttat ctccccctta 360  
 cgaactaatg cctcacgctt ctctctctga ctatcctatg actctctgaa aagctgtgct 420  
 gatgatgcat cacagctgta ctatcaaact tgcttgagga gggtgtagat tctggctcgg 480

<210> 14478  
 <211> 433  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14478

cagcctccta tttattgtaa tttttgggtg gtgaacctcc ttcttccttg gctaattccc 60  
 tagtggatgg tgctccctct ctctcttct cttttcctt ccgctgtatc tcaatgggtg 120  
 aaaatcacca ttaaaggacc ccattgaagc tcanagatcc aacctccata gaagccctac 180  
 aatcaagctt ccatacaagt gtatcagagc acaagagcct caagtgtcca ggaaaggagc 240  
 ccagagtgtg aagaacctcg ggatttgagg tcaaatectt tccaagggtg agaggatgat 300  
 gcaatcctac cccccaaggg tattggatag aagactccag gaggcttang ctagagctac 360  
 taaagaatgc cctanggttc tcatgaacct tangttagct ntttgagccc atgggtcatn 420  
 ggtggatcca ctc 433

<210> 14479  
 <211> 438  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 14479

ctcagcttat gagtttctgg ttccaacctt gaaaactggc tattatcttt cattctctnc 60  
tcctttggcc aatgaaatt cgccaaggac taaccacctg aattcttttt tgtgtctctc 120  
tttccccctt tcccaaagaa caaaggacta accccctgaa ttcttttatg tctctcttct 180  
ctcttgtcaa aaaattcaaa acaacacagt ctaagaattc ttttgattct tcccatccct 240  
aatacaaaag tgtttaaagg actaacggcc tgagaattct tttgtatccc attcaciaag 300  
tatcaaaggt ttaacagcct gagatctttg tcttaacaaa tttggacggt acatcctttt 360  
tggtacaagt agagggtaca tctacttggg tttgactgag aacaagagag ggtacatctc 420  
ttgtggatca gttctagt 438

<210> 14480  
<211> 289  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14480

atctgggcct tctttaaagg ctccaattg tgtgaatttg gccaatccg tgagacaatt 60  
tgnggcaagt ttgtgctttg tttctttgaa ttgagggggt gttaggggatg gccttangcc 120  
taggttatgc tgtgaaataa tggagcaagc cacattgccc ctattccctt attattggca 180  
cccaaaagtg cgcccaccaa gtgctcagt aaatgcctca atgacatttg ggcattggtt 240  
tgtgaactnt ggattgtggg gctgatttgt gtgtataggg acaacatgt 289

<210> 14481  
<211> 229  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14481

tcaattcaat ccctgaataa tttttggata ttgtccaata agaaatgttc gatcggcgtc 60  
atcaggatgat gcttgctttt tatttttagac ctgctggatc ggtcatcttt cctggccgac 120  
atcgactatc attnttttta tcaagtgtcgg tgaataatgt tttttggccg aggtgggctg 180



atgtttttct agccgagtaa atgagaacac gccagtgtcg gccgaaaca

229

<210> 14482  
<211> 421  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14482

ttcttgcttc tacaatcaaa acctacanaa ccatgaatga atctttcata tttaaacaaa 60  
aacattagta aatgtacaat atatataaac caactagatt taagggaagt ttataagaga 120  
actattacaa aagatagata agtgctaaca ttataatcca aaaaataatt gaaatatgac 180  
acttatcaac ttggcaccct attaaggggtg taagtcgtaa gctttaaggc ttctcccaa 240  
agtgactctg gcaaaaaaga atgactaatc atattttctca ccatatcttt aagagtttgc 300  
tttcttcggt cttctacacc attcgtgcta cgttcttcaa acatagcgta tggccaaaca 360  
attccacaca ctgtgagtaa aagcacaaaa agtactgaac gttgttctcc taatttgcatt 420  
a 421

<210> 14483  
<211> 240  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14483

aaaccagctc ttgctgccgc tctgggctca gaaattcatt tttttccct cttatnacta 60  
gctatagtga attcttttagt tcttgaatgt acaaccttca aattgttgct cgttcccctc 120  
tntcttttct gcaaaaaaga aatcaaatg ctgtgaaaac atggatgaag tcctaagaaa 180  
atcaatatca aagaacacat ggatgaaatc acaattaaca agcacaatta cctatctttc 240

<210> 14484  
<211> 417  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14484

agctttgang gtttcattct gtatttttct gattgtattg gtacctaage atttatttta 60

tttctttctg catttatctg ttgggaatat attgatctaa cttgttatta ttntctgttt 120  
gaaagctctt tgagagctct gctctgatgc atatatctgc tgtaaagtct ctctctctg 180  
cattatgtca actttcacat caatgcatga cttcaagcag tttgggacca acaactagtc 240  
aaaaaattgg aagcatcagc ttttcagtgg aaagaatgat atccatcctt gtgaataatg 300  
ctcacagtat gtagcttcaa tacctttgag catgatagca aatcttttat gctggatgct 360  
gttttcttag aatggtgggt tgggcctaac tcaacacca aagctagctc atagggt 417

<210> 14485  
<211> 393  
<212> DNA  
<213> Glycine max

<400> 14485

aagaagaaga aatcaaaaga gagttattat gcttgtgtct tggactctca tattacagtg 60  
acaaagccat tgctgtgatg acgtgaaaac aaaacacgaa ggaaaaggca gaagagagag 120  
aaagagaggt acataacttt ttttaattgtg ttttaatctt ggctgttcat ttttctttaa 180  
ttgtgatcta atggctaattg attaattctc atttctcatt taagaagtgt tttcatttga 240  
aacatcccac atatatatag agagagaagg ttgttattca aattaactac gactattggt 300  
ttttgggttag cttttatact ctaacaatta aagtaatgaa ctaatggtag tataaaaatt 360  
tctttgcttg ccatccaatt ttatgataaa act 393

<210> 14486  
<211> 399  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14486

agcttgttta tatggctaga catgatacat gtcanggttt ggtttggttc aaggataaaa 60  
gggatgcccc acattatttc catgacacan atgcaaaaat gatgatttgg aaactntatg 120  
caaaactgggt catgcatgcg cctatgcgga cgctcaagtg tcaaattttt atggtcaggt 180  
gatgctaggg ttcaggattc atttctctca ttttaaatca acccaatggt tccaaaatat 240  
gttcttttat caatttgtgc atttctccaa gtccatttcg ggcgtccggn gaaattntta 300

cagcattcac ccttcagggtg tagacacgtn ntttcttcaa aaatcggtta tgatcaatga 360  
 attttttttt caaagaaaag ttggaaatca tctcttttc 399

<210> 14487  
 <211> 287  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14487

ccccggagta cgacagtcac cgctttatga gcgttgtaca ccagcagcgc ttcgaagcca 60  
 tcaagggatg gtcgtttctc cgggagcgac gcgccagct canggacgac gagtatactg 120  
 atttccagga ggaaataagg cgccggcggg ggggtaccact gggttactccc atggccaagt 180  
 ttgatccaga aatagtcctt gagttttatg ccaatgcttg gccaacagag gagggcgtgc 240  
 gtgacatgag atcctgngtt aagggtcagt ggatcccggt cgatgcc 287

<210> 14488  
 <211> 400  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14488

agcttggttt gcattcttgg ttaggttcat tngtactat gctgatagct aaaaacaaac 60  
 catgttgggg ttataaaatc ctctttccta aaaatgataa aaaaaatcat gtgaatatgg 120  
 taccacaacgc gtggtctttg aagtgtctcg tgtcgatctc ataaatacac atgtcatgca 180  
 tcgcataact atatcctact cattcatcat atatcctcta tgatagattg tcgaagtatt 240  
 gacaatcaaa atttttattc ttggaacat ggggccgaac caagtgcagt cttttaagat 300  
 aaaggtnta ccaagtcaag gtcaaaaggg aagtagccag cttgcaaaac ttatggaagt 360  
 gaatggagct aatgacttac ataatcaaga aattgtgatg 400

<210> 14489  
 <211> 461  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14489

tacaaaccca agcttgacac tatgaaatng aaaacttgaa accctcaagt ttcattctaa 60  
 gttgcaactg acacagtaac caagattgca tttttttacc cccttcttcc ttctccagca 120  
 tcatcaaaca tcacaacaca aacctcaaat gctactacc accaccactt tttcttgctt 180  
 cctcttcacc ttctcatca ccacttcac catggcttct atgggtggag ctgtgggggt 240  
 gaactggggc accatggctt ctcaccact tccacccac aagggtggtga agctcttgaa 300  
 gtccaacagc atcaacaag tcaagctctt tgatgccaac tctgatgttc ttcaggccct 360  
 ttctggctcc aacattgcta gtactgtggg tgttcccaac actttgctca gaagcttgaa 420  
 ctcttctaag aaagctgctg atagctgggt ccatgataat g 461

<210> 14490  
 <211> 377  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14490

agcttctttc caattttcta taaatagggg gagaagtga gtgaaaaagg gttcagcccc 60  
 ttatgcactt ctctctcttt cgaatttgct tggaaaaatt gtgtccatga agaaaattca 120  
 agccgagccg ctccgaaac gtttccgtaa cgtttccgtg aggaatttcg cgaaagtttc 180  
 gaccgttctt caagattcat cgttcgttct tcgttgctt cagtcttcaa cgggtaagta 240  
 cctcaaacca agctgttcaa ttcattctat gtacccatgg cgggtccacat ttcgcctcat 300  
 gtattnttat tctccgtntc atttactttg tatactccct gttgacgtgc ttaagccatt 360  
 tatttaagtc atttctc 377

<210> 14491  
 <211> 504  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14491

agggttaaagg actttgagct cntatgcta ctatanaana ctcaagcttc tcccnncat 60  
 ttctatacgt acgggggaga agggatttga taaatgtggt tcacccctt aggcactttc 120  
 tctgcttttt ctgaattcga cttggaaaaa tgttttcccg tgaagaatat ctacagccga 180

agcgctttcg aaacgtttcc gtaacgtatc cgtgaagaat tttgcgaaag ttacaccgct 240  
 ctttcaacgt catcatgtcg tcttcatcgt tcttccatct tcaacgggta aagtccttga 300  
 accaagcttt tcgattcatt ctattgtccc gtggagggtc acattggggt tctgtgatta 360  
 ttattcacga tccatttact gtctataccc ccctttgacg tgcttgagcc attctattta 420  
 agtcatttct ggcttaacct aaagaataaa tagaattcca ccgatcgttt gaatctgatt 480  
 atgccgtaac ttttgtaaa attn 504

<210> 14492  
 <211> 426  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14492

atcttggttc atatgattta tatgctccag cttgaggggg agtgttgat atccttgtat 60  
 tttatctata ttangtagct ttgttagtaa gcttggtcag aagggcagca gtgagttgtc 120  
 actgtcactg cccttctctc tccatcttgt actctatata tatgtctttt ttgaaatgaa 180  
 taaaggtgtg agagaaagga gggaatttct ccttcagttt caagtaattt taatatgcac 240  
 tccaatgatg gctttcaggg gagagttgat ccttgacagg caatatattc aactgggaaa 300  
 gcaaattaaa ttataaaaat atatgtattt ttcacagta tattgaagac tgcaatgggt 360  
 gaaaattttg aacaaattct agactgcaat gggtgaaaat tntgaacaaa ttctatcatc 420  
 tctgtc 426

<210> 14493  
 <211> 382  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14493

agatactaag ctatttgaga aacttccttg agaagctaag ctttctactt caccctctta 60  
 aaagctaagc tcacctctt gagaagctnt attgagaagc tagagcttag ctacacacac 120  
 ccctctaata actaagctca cctccttgag aagcttcctc gagaagctag agcttagcta 180  
 cacacacctc tctaatagct aagctcacct ccttgagatg agaagctaga gcttagctac 240

acaccccccta taatagccac tgaatgtcgc gcttagcgaa tgctcgctaa gccagcagat 300  
 tggcttagtg agaaggtgag aataacactt ttgccaatnt gcctaattaa cctgagattg 360  
 agagaaatng attattaaac ac 382

<210> 14494  
 <211> 382  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14494

agcttctttc tatatacaag actgaagctc tgataccact tgtagagaa gtggcctcag 60  
 atatcttaag aaggcggggc gcgaatgaag atatgaccaa ctatttacc taatcaaaaa 120  
 tctatattac tgctcaacca acgtatgaat tcccttaatg acaatcttct taaatattaa 180  
 ttcanatgag acactttgaa tatgaatata atgcactcat agataacgga gaataacgga 240  
 agagaatatg cgcactcagt tctatactgt ttcgccaca cccgtgtgcc tacgtacagt 300  
 cccactaaa cccgctagag agttccacta tcttagaaat gctttgtaca agttctaaac 360  
 acacaaagac aatccttcct tt 382

<210> 14495  
 <211> 332  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14495

tagcagccaa ctctgagga tcaagcctca ggagtgctaa ctgggaataa gcacaaagat 60  
 tttccccctc ttccagaatc actgcggtct tcagaaaagt gtccanagta tcttcatcaa 120  
 atttgatcag atgaccactg accctcacct gcttaagtga cttgtcttct aagtcataga 180  
 ggtttgcgta gaattccttg acaatagcta catcaatact accttcaatg aagcttgta 240  
 actcctcatc ccattgtttt ctttctaatt cctccttaag atcatcaaaa tcagtgtagt 300  
 atactatagt agaaactctt tcaataatac tc 332

<210> 14496  
 <211> 428

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14496

agcttgagta tgataacgga ttgttttacg ttcataaaca tgactgactg aaatccacta 60  
ttataaaaca aaaaatcaag tgactgctaa attatgacgg tttgtgaagt tgataattac 120  
tagtaaatgg tgcaaaaaat caagtgtagt actaacactt aacaagtaac caatgataat 180  
ataataaatg accattgctt gtgtacccaa cttcgtcctt agatgatgat attgtaatca 240  
tagcagctcc cgacaccagc gattgctcta tgcgtttcct tgacttctat tccanaacaa 300  
ttctttctctt ttcattntta atgttcatca ctttgtgggt cccaacttct gcacggcaac 360  
aagtcgggta ttttagtctc tgctcctttt tccctctgaa ttcgggtactc tgccatgcat 420  
gaatcata 428

<210> 14497  
<211> 433  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14497

tgtecnccat caaagataag acaaagtata aatcatgttc ttctccattc tgctagctat 60  
catgtccaca gaaatccata tatgtcaata gagattgtaa agtaataatc atatcacaat 120  
atcacatgtt atttgctacg gctacggga aagctcgagc gagcaaactt gcttggtgag 180  
taatgctaac tgtttggtga aaacgccccaa gtaattcatt acattttttac atcacttgac 240  
aaggagtttc ggtatcaatgt cttttgtttt gcgtgatagc acggatgcag atcaacttgg 300  
acactacttc aaaaatcaga acgtgaatga taataaccaa ataaataagt ggataaactt 360  
tgcanatgca nggtgttgca aattgcatga agcccaagta ctggacttgg aagtttattg 420  
ttctttctttc atc 433

<210> 14498  
<211> 244  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 14498

cttaacttcc tcaatggtga ctnagtttgc tagttcatca aacatatttt ggccaatctg 60  
agggatagaa ttcagataaa ggctagatgg atcacaagtt ttagggcatt agaagagctt 120  
cttaaagaac ttcaaggctt tcttcttgag taagtcatca tctgtgcact gaattccatc 180  
aatcataaga ctcgtgattt tatttcttct ccttctaata accacttgag tatggaaaaa 240  
tttg 244

<210> 14499

<211> 160

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14499

aaatctgac atcatgctgt gatttatgca aaanaaaaaa caactacggc aaatgaagag 60  
ggtgagaata agggagaagc ccatgctgtg actgccattc ctatacagcc aagtttccca 120  
ccaacccaac aatgtcatta ctcagccaat aacaaatctt 160

<210> 14500

<211> 329

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14500

ctaagttttg aaaggctgga atgcaatcaa aggtttcagc acacaagaat tccatatcaa 60  
taaacttatg gtcgataatg gaacgagatg agaaaagatt ggagtaccgt ttctgctgtt 120  
cgtcggaaga aaacactgng gaagaggaca atgaggggtgg aattggtgtt gtggatgcgc 180  
tagtggctcc agaacgatga gcccttgaag ccgaagcgga ggcggaagaa ccctttcgtt 240  
tcttgacga ttcttccatt ngagggaagt tttgcagatt ntaatcgggtg anatcaaaag 300  
aaaaatgaaa aagaagaaga ttgaattta 329

<210> 14501

<211> 387

<212> DNA

<213> Glycine max



<400> 14501

aagcacattt tattttctttg gagaaacctt ggtctaaaat gtggcaacat aatgttatca 60  
atctaacaaa aaatcctatc atgcattcta ggactaaaca catagaaata atgcatcatt 120  
ttcttagaga tcatgtgtta aaaggtgact gctacattga gttcatagat agtgagcatt 180  
aacttgcaga ctttttcaact aaaccacttg cttagagatag gttctgtttc attagaaatg 240  
aaataagcat attagatgct tccaacataa aataacttcc tatttgcata atgtgtgatg 300  
cacattgcta tttagagacga tgactaattt attctggagt ctctactcta atcaattacc 360  
aagtagttta atcgattact tctctct 387

<210> 14502

<211> 184

<212> DNA

<213> Glycine max

<400> 14502

tttcgttcaa ggattgaatc gagggctcgt tatgcgacat ctgtcgcgac ataccgaccg 60  
atattcttca gccgacattg cacaattctt tttagaaaag ctgcgtggtc gataatggtc 120  
tttttacggc agagtaagtt atcttggttt ggtgttgcac acaaaagtta caatgtactt 180  
cagc 184

<210> 14503

<211> 505

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14503

aaaaattgcy ggtagcggg tctancncta gntacaagtc ncnncat nnacataaat 60  
tgaggagaaa gtgaagtgat ataaggttca gccccttagg cacttctgtg tctttcgaat 120  
ttgcttagaa aaactgtttc cgtgaagaaa atccaagccg aggcgcttnc gtaacgtttc 180  
cgtgagtgat ttgcgaagg gtttcgaccg ttcttcgacg ttcttcattc gttttcatc 240  
ggtcttcggt cttcaacggg taagtacctc gaaccaagct ttgcattca ttctatgtac 300  
ccgtggggg tccacattga ttctgtgtt tttcttctcg gtttcattta ctttcgtac 360  
cccttttgac gtgcgttagc cattttatct nagtcatttc tcgcttaacc tataaataaa 420

atagatttgc accgatcggt tgaattgtat tatccgtgga acttcggtaa aatgagttcc 480  
gaccgttcgg tcgtgccata acccn 505

<210> 14504  
<211> 456  
<212> DNA  
<213> Glycine max

<400> 14504

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gatcaagagt tggcaatcgg atgtgttggc attgaggag gaattggata gagtaagagc 120  
ttgatgtgga gctgactctc agacacaaac tactcgaatc tgctgtgtga gctaaaatca 180  
atgtggcatt gcaacaatgg aaagggtgaga aatttgtatg ttttgccctca gaaaacatgt 240  
actttgaatt cccttccaat gtccctatta aggggtgctt tcttattctg gttataattc 300  
caagtgtggg taatcccgtt attagagtca tcaactcactg gtttgatggg tttccatgtg 360  
gtaagtgtac tcttaactta tctatggtaa aaaatgagtt aaatatctgt tttatgcata 420  
aaaatatctg cactatcttg gaatcatctg attttt 456

<210> 14505  
<211> 164  
<212> DNA  
<213> Glycine max

<400> 14505

gtatcctatg tcgtgtggat gattctccag attacctggg taactttata gagagaaatc 60  
gaaacctctg aatatcaaag agttgagtct aaacttcaag agagaaaact gtgtatcaag 120  
agaataggag tgccatggca gaaatttgaa acagcagggtc actg 164

<210> 14506  
<211> 333  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14506

gcacccctgc gggcagttta ctatcaatgg agtgactcac aaagccacat tggtgtatga 60

gtatactcac attcggtttt aagaaaatct ttaagatatg attgcattga taaaccattc 120  
atgttcaaga taagctatgt aaacaatata cctgagtggc cagcatggat tgttgagatg 180  
ctagtacatc attatgcata gggtctatat ntaaattgct gccactacgt tgtgaagttg 240  
gtggatctta ctattgttgt tgtcactgac aaaaaatttc tacacatata tgtaagagat 300  
gaaatataac ttttgtaaga gtagtggaaa atg 333

<210> 14507  
<211> 394  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14507

gttcagccct cctggtaatt cgagatcact tgaaattagt gagaaaaatc atttccgtga 60  
agaaaattca agccgaggcg cttccgtaac gttttcgtaa cgttntcgtg ggtgatttcg 120  
cgaagatttt caaccgttct tcgacgttct tcgttcgttc ttcgggtcttc aaccgataag 180  
tttccgaaat ggaacttttc aattcattct atgtaccctt agtggctctc atttgtttcg 240  
cgtactttta ttttcatttc atttactttc tgtacccctt tttggcgttc tttagtcatt 300  
tacttaagtc attntctcgc ccaatcaaaa ataaaataaa tttccactga tcatttgaat 360  
tgtacattcg ttaatttctg taaattgaat ctga 394

<210> 14508  
<211> 333  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14508

tttctcatgt gttcacttta cccaatctcc gggttcgaag acaaccttct ttcttccttt 60  
gttggcttgt ttagcatagc ttttattttt cctctcaatt tgatctttga ctcttacatg 120  
aagcttcttc acatagtcgc cctttgcttg accttcttta tgcttaaaaa cagaaacatt 180  
angcataggc aaaagatcaa gaggagttag tgggtagaa ccataaaca cttcaaaatc 240  
atcaaaagtg gtagtggcca aaatctgatt tttgcaaac aagatatata gtgactgttt 300  
agcatgaaac aacctcttga cctcactttt tgt 333

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

atgatgcaaa catggagaag cctaagaaat aatatcaaaa aacatga

167

<210> 14512  
<211> 357  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14512

accggatgac gccgatcgaa catgtcctaa cgcacgtatt catatttcgt tcanggattg 60  
aattgaaagc tcgttatgcg acatctgtcg tgaagtagcg accgatattt ttcagccgac 120  
attgcacaat tctttttaga aaagctcgct ggtcgataat ggtcttttta cggcagagta 180  
agatttcttg gtttggtggt gcataaaaaa gttacaatgt acttcggcta ggtttttcgt 240  
gcgagttcaa ccgacatttt gtttcngcca ggaaaacatt agcccacctc tgcaaaaaaa 300  
atatngcta accgtcttca tgcatatntc attcaacgat tgaatagaaa actcaat 357

<210> 14513  
<211> 494  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14513

aggaattggg cttgggggat gcgaacacta gatactcaac cttcacacaa ttatctgtct 60  
agacgtgagg gcgcactggc ttagttctat cacaccactg actcgacgag ggacatgaca 120  
catgcctgtg tcagtgcgcc tgtgatgtcg cgaccaagaa tgatcccact cacttctttg 180  
aaactcatat ctcaagatct tgaatgaatt gtggatcaca tatggcaata tccaagtatc 240  
ttgccgatat gggcaaccgc ctcagtcatc agttactttg gacagaaccg gcacccactg 300  
aggacatgca ctagctctaa aaagaaagtc tctctatctc ttcagataat cttgtaggat 360  
atncaactat acagcctatt atcatttatt ggacatgaag agtggttata ttaccacatc 420  
tctcaatcaa tagcctatcc tactcttcaa gaaaccaga nacaggctgc atcgtgaaca 480  
cagctgtggt atcn 494

<210> 14514  
<211> 480  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14514

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cccttatatg ttctagaatt cagaangatt gatcctcaaa gcattacaca ctatatattg 120  
catacaacaa atatgcaatt tgaccaacct gtataccatc ttggattgaa aaagaagtac 180  
cttctggagg ttggacaagc ttccggttat gacgagcggc ctttttcttc tttaactgtg 240  
tcagtatgtc ctccatggag tactctctgt gccaatgtgc aagaagacca aatgtctttg 300  
ggccaacctt tttctttcag tctataaatc ctggcacaaa gataattagt attaagccca 360  
taaaatagac taaattttct cataatcatt aacatgaaaa gtgtcgcaag atggaccgat 420  
tcaccccgtc tttgaataaa gtagaaaaaa tatttttcatt atgcttccca aaaacccaan 480

<210> 14515

<211> 251

<212> DNA

<213> Glycine max

<400> 14515

gggagagaag ctgaactttg aagtatgtct cacaagactc tcattcatca aagttgagac 60  
aagtattaca catgtttcta tttatagcct aggtcactaa ctaaattgatt gggaatttca 120  
ttttcatttc atgtgaatct aagaggaata ttccaaggat atgccacagg catcttagca 180  
tattccaaga atatgtcaaa ggcattcttag aatattccaa gaatatgtca gaggcattct 240  
accatattct c 251

<210> 14516

<211> 324

<212> DNA

<213> Glycine max

<400> 14516

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gctgggttggtg gtagcctata tgcacaacca aaatatctat cttatatcaa cactcatcta 120  
tgaagatgaa gtcattgttaa catatgattt cctattctct tgcattatgga cactcccgga 180  
ctacttccca tagacacatc ttactgatca tttgaacctt tccatattga ctaatgctag 240

aagtatgctt atcatcacta aacattctta ttgcgttgac tatttcaata ttcttctcca 300  
tatcttactt attgtgctct gcac 324

<210> 14517  
<211> 294  
<212> DNA  
<213> Glycine max

<400> 14517

gattcaagaa tagctgaaaa aaggctggtg actgtccctg aaagatttga cgctactatt 60  
acaaccttgg agaatactaa ggatttgtca aaacttacct tggcataact tgtaaattgct 120  
ttgcaagccc aagagcatag aagaagaatg agggctgatg attctgtgga aagagcattg 180  
catgctaaat tacaatttaa cactgagag aacagcatgt ggaagaaata caagaagaag 240  
aatttcaaca tacaagaagc agcggctaac actagcacca aaagtggaga taac 294

<210> 14518  
<211> 189  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14518

gtcacacgaa gtccgattca ggtgcataat ataccgagac gctcgaaatt gaacaacgga 60  
agctctcgag aaattcaaatt ggtcataact tatcacacgg aagtccgatt caggagcata 120  
atatatcgag aagcttgaaa ttgaacaaca gaagctctcg agaaattcan atggtcataa 180  
cttgtcaca 189

<210> 14519  
<211> 275  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14519

taagaacccc atcgtcttct tcgatgtcac catcggtaac attcccgcg gtcgaatcaa 60  
gatggaactc tntgccgata ttgccccaaa aaccgccgag aatttcaggt atctatgctt 120  
ctagtgttaa agcgtttctt cttttagtgc tagttagagt gccccttggc tttaagcatt 180

gctatcaact tgtgattgaa cttctacgaa aaatcactan ttnttgtttt agtctacaga 240  
agtttactca ttttaattgc aaaagtgcag attta 275

<210> 14520  
<211> 275  
<212> DNA  
<213> Glycine max

<400> 14520  
acttatctcc gactgaagac cgcatgtttt tgtttggccc aagtttattg cgggctgtag 60  
caccggttcc gcttccttag ctgtattgga ggcggccacc gtggcattat cttctatagt 120  
tctctgaagc tctagcatgg cctccgtgat agaagccatt tgatcttcta atgccgatag 180  
gttggccttc atctgttctt gcactccctc ttcattatcc atttttctgg atcaagtgtt 240  
atatgggtgc ctttgctctt cttattatgg agagt 275

<210> 14521  
<211> 159  
<212> DNA  
<213> Glycine max

<400> 14521  
gggctacgtg ggagtacgtg agctcagttg gatgtgggca acaagggatg gtgggtttat 60  
gcgcgatttg tggatgtgga aaacttgttg tgcaccatcg cccgaccgcc acctagtacc 120  
acatgtgatg ggtaccccat aatcctacaa gcttgagat 159

<210> 14522  
<211> 350  
<212> DNA  
<213> Glycine max

<400> 14522  
agatgtatca cacaatcaaa taaaggggct actcccagat tgttggagac cctaaaacac 60  
ttacttggtc ttgatttaag cagcaataaa ttgtcaagga agattcctat gtccatgggc 120  
gcccttggtta atatggaagc cttgggtttt aaaaacaatg gtttaatggg tgagttgcct 180  
tcttctttga agaattgcag cacgttattt atgctggacc tgagtgaata tattgtagcc 240  
cggccaatac catcattgat aggacaacgt ctgcagcaat tgataatctt tgacatgcga 300



ggaaatcacc tttcatgata tatacccatt catctttgta tttgaaccga 350

<210> 14523  
<211> 497  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14523

ngggcgccctt tagcatgant ntgcgacact ttagntactc aagctnctca gccaaactggt 60  
ttcctcacta acagtggcta gtgctattat ctcaaattcc atagcggact gaggtaagat 120  
agtcttggtc tttgactttc caagaaacaa gcccaaccaa ctatgcctaa atatataggt 180  
tgctggtntg cctttggaat caatctgaaa gagtggtcca atctgcatca ttgtatcctt 240  
caagtacaac gggaaacctt ttataatgta atccaagggt tatgggttctt ttaaggtacc 300  
tcattaccct ttcaatagcg tgtcagtgct ccatactang tctacttggg aacctgcata 360  
ataatcctac cacatagggt atggcggatc tagtacaatc agtggcatac ctatggctgt 420  
caatgatact tgtgtactca gtttggtcga tacccttcac cagtgtctta aaccagggtta 480  
cacttgaat catatgg 497

<210> 14524  
<211> 491  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14524

aggcggatgat gttgnncctt ttgccttacg tagaactata ganattaaag catgcacccg 60  
aggaggggaag tgatatttgc agctaataa ccccttttta tctatttgtc cttagatnaa 120  
ctgtttcttt tcttatatgn aaatataaat aatataaggc tatgccataa agacacagtc 180  
atttttaccc ctaacanatc ttagaagtaa atatagacca tgttttttacg gaataccctt 240  
taciaagata gtggaaatct caagtgggtt gcttgagtac tggacgtang cacgggttgt 300  
ggccgaacca atataaaact gtgtttgcat tcctcttccc tatctcatta tgttatgcaa 360  
tcattttgcc ttgcttggtta tagaacatat tataatgatt ggtgtgggtc tctgcatcta 420  
agctatccct ctaaaatatt ggattccact atctgtgtaa atcatacaaa gttgaccacc 480

aggacaccct n

491

<210> 14525  
<211> 251  
<212> DNA  
<213> Glycine max

<400> 14525

tctgtacctg tgcgaagggt ctgtgggttg agtcctctg tggaccacca tacagacctt 60  
tgcgcttcca tgcagcaagc tagagcaatt gatcggcctg aagcttatgc tgcagatata 120  
tacgatagac ctctcacct gggagcaaatt aaaccacagc atgacaatta tgacctctgc 180  
agcggcagat ataaccctgg atggaagaga tagcctaacc ttacatgggt catccctcaa 240  
caacaacaac a 251

<210> 14526  
<211> 374  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14526

ccaaagcaca gcttcaaatt tgggcacttt agatgtatca cacaatcaaa taaaggggca 60  
actcccagat tggttgaaat cagtaaagca attactgttt cttgatttaa gcagcaataa 120  
attgtcaggg aagattccta tgtccatggg cgcccttggt aatatggaag ccttggtttt 180  
aagaaacaat ggtttaatgg gtgagttgcc ttcttctttg aagaatgcag cagtttattt 240  
atgctggacc tgagtgaaaa tatgttgten ggtccaatac catcatggat tggacanagt 300  
atgcagcaat tgataatctt gaacatgcga ggaaatcacc tctcangata tctaccatt 360  
catctcntgt attt 374

<210> 14527  
<211> 335  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14527

tgaaggtagc accgtatctt cctatctggg agtcgatcat gcctcaccca acaacagatg 60

aagccactca agtaatgaca gtggaagaag ggtctcanag ctgaaccttg accatctacc 120  
aatctagctt ggacagaana tttgacatag atcgatgaga cgacacctcc aataatgctt 180  
gaaaccatt taagagcttg tccaactgta actcggacca aaattggggc agtgcacgcg 240  
gcttagcang gacctcacca ttcattgagca ttgacgcatt gccgatgtgc tatgcagaaa 300  
tgcggtacta tttacctgac aaacatctga catgc 335

<210> 14528  
<211> 216  
<212> DNA  
<213> Glycine max

<400> 14528

tgtccgagca gttaagcaag accgtagacc agtacttgat tatctaagct tggcagcgac 60  
tcataagcaa aggctatagg acgagtacac caaggatatca atcctacaag cagaaaaggga 120  
agcaagggaaggagggtgatcg attcattgca cagagaagca atgatgtgga tggacagggtt 180  
cacctttact ttgaatggga gtcaagagct tccccg 216

<210> 14529  
<211> 402  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14529

agggaatatc ttgtagacnn cncntncata gaaactaagc ctgagaaggc agncagggtac 60  
gaggaagggtt tttttctcta aagtactata gagaagggtat gtaccaaacc taactgtgac 120  
ctataacact tatgatgggtt tttataattg acagaaatta acctaacctg ttttaattat 180  
ggacaattta tctaaatata gccaaagggtt attatataaa cactattcat acccgttctg 240  
aattgagagg agtggattaa ctgtctgaat gtgcatctga gactcatgat atataaaatg 300  
ttttataact cttccaccta ttatgagctg ggctaagtag cttaaataagg gaaataactct 360  
tcgaaacccc taaattgttg gaaatgggct ttctggaagg cg 402

<210> 14530  
<211> 488  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14530

agcttctgcc atgatcccc tagataccac tctcagcaag cttcccgtat atcacttggg 60  
aagataatta cttggattca tcaagtgatt cagaaaatga aattgcanat ctaagcctca 120  
tggccaaaga ctatgaaacc cgaagaagag gtgacatctt ctaactatga tttatctatt 180  
tcttttgatg aacttcaaga tgcattccat gatnngcata aagaatctat caaacttgcc 240  
aaattagttt catttctaag ataaccggtt canatttaga aaaagaaatt ttgaaattaa 300  
atgtagagtt agaaaatctt caatctcgag ttaaaacatt aaaatcaata gataaaaacc 360  
aaccttctac aaaatgctta atacaagaaa acaatgaagc atctcattca tgtgaatgcg 420  
ctgtataaat tnanagaaga aantgtnnat ttaaaaaatg ctcttgcaaa tttactcttt 480  
gtaaaaan 488

<210> 14531

<211> 269

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14531

tttgcccgtt gaaatcttct ggacgaagca aatgttgaac acaaactctt agaaagatat 60  
tgagaaattg gttgttctaa attcatgcc a tgatcacata tntatagcca tttgatggct 120  
cctgaagann ncntgttaaa agttgtgact tttggcaatt tcttcaaaac caatctatta 180  
ctttaaaaag gtgggacttg acaattatctt caaaaccagn caccttaaaa gttgtgactc 240  
ttgacaattt cttcaaaaca ctactgggt 269

<210> 14532

<211> 254

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14532

tcagcagcag cctatctatc catagtagtg atggnggctt tgatcagaga ttaaacttat 60  
tcacactgaa gcgcaataca cacgtagtga tcatgagcta caccatgaac agatcatcat 120

tctatcggga aaaatccaag tctcacattg tctagagatg aaactaaaac taaacttate 180  
 agtgcgggaa aaccctcacc ctatgagctt gccttagggc ttagttatgc cccaactaga 240  
 caacccta at ggac 254

<210> 14533  
 <211> 170  
 <212> DNA  
 <213> Glycine max

<400> 14533  
 ccccta atga gcgatgacat tatgccgcgt ttacaacgtc tgatggaaaa cctgcgttcc 60  
 cacttatcgc ttgcacacat ccctttccca ctgcgtatac gaagagcccc accgacgcct 120  
 tccacagtgc cacctgatgg caaggccctg agcggatttc tactaccatc 170

<210> 14534  
 <211> 434  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14534  
 ccagctcgcc caggcaagct aagttgcttc ctttttgaac ttcttggaag gcctaagtgg 60  
 gcctgggtgc tatttgcacc ccctgtttac taaatacacc ccctgccatt tttgctgatt 120  
 ctttttctgt aatgttatgg aactttacga attccgtaac gatacttgtt ttctttccgt 180  
 aatgttacgg aaccttacgg attatgtaat catccccctt ttggctttcg gcatgtcaca 240  
 gaacttcacg gattgcctaa cgatgggtgc caagtacctc gaagcagtca agcaaagggt 300  
 gcatgccatc aaacaatggt ccccgatga aatanggtat gacagttgcc cctctttact 360  
 taccttttat cggagatagg angaaagcaa agttaaacac tgattcgctc gtttacctct 420  
 ttcgaatcat ctat 434

<210> 14535  
 <211> 196  
 <212> DNA  
 <213> Glycine max  
 <400> 14535

acacttatgt tcataaaaac atagtgatct tagcattcac aatcacttat gacaccaatc 60  
 taagcatgat aaaagttaaa ataaactatg agcacacatg tgtaacaccc tggcaaataa 120  
 ttacaactca tattggtaga ggacactttg cgttatatca tctcgacatg tgtgtactta 180  
 atggcagaga atatat 196

<210> 14536  
 <211> 492  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14536

ngggtgtcaa gctangagga cncacncntn ngntannaaa cnnggcgccc catcnccgac 60  
 ggaagacaga ggagcagnag antttgccnt tctcnagagc gcgcctgcac acgcggggtct 120  
 gcttccttaa ctgtattgga cgcagccacc gaggcataat cttctatagt ttggtgaagc 180  
 tcaagcatgg gctccgtgat aaaagccatt cgatctttgt aggccgaccg gtatgcctac 240  
 aactgttctt gcactgctct tcgttataca tttgcctgga acaagtata taagggagcc 300  
 ctttcgactc acttagggat cgagagtccc ctaagcaacc accaatggtg agtatgccac 360  
 acaaacatga atctcgcgaa gaatgagcga agccttcgga tccactcacg gcaacttttat 420  
 agagaagagg acgaaggcta aaacctatcg ttgattaaag agaacaagct tttttcaacc 480  
 aagacataaa at 492

<210> 14537  
 <211> 273  
 <212> DNA  
 <213> Glycine max  
 <400> 14537

atgcatgcac ctatgtggca ctcaagtgtca aattttatgg tcatgtgatg ctaaggctca 60  
 agattcattt cctctatttt aaatcaaccc aatgtttcca aaatatgttc ttttatccat 120  
 ttgtgcattc atccgaatcc atttcgggagc ttccgggataa ttttcacaac ggtcaccctt 180  
 caagtgtata cacacttttt ttttcaaaat tggttatgaa ttttttcaaa gaaaagttgg 240  
 aagtcatttc ttttcaaaag catgttggtt ttt 273

<210> 14538  
 <211> 361  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14538

ctcctctaatt gactatggca tcattttctgg cgctaaactg ttgggagttg gaagccatct 60  
 tctcaattaa atntctgggt tcagcaggag tcatgtctcc aaagggtcca ccaactggcaa 120  
 catctatcat acttctctcc atattactga gtccttcata aaaatattgg agaagaggct 180  
 attctgaaat ctgatggtgg gggcaactgg cacataattt cttaaattct tcccagtact 240  
 catacaggct ctctccactg agttgtctaa tacctgagat atccttcccg atggttgtgg 300  
 tccctgaagc aagaaatttt ttttctaaga atactctctt aaggtcattc caactcgtga 360  
 t 361

<210> 14539  
 <211> 300  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14539

gataaaaggg atgccccaca ttattttccat gacacaaatg caaaaatgat gatttggaaa 60  
 ttttatgcaa aactgggttat gcatgcacct atgcggaacgc tcaagtgtnc aaatttatgg 120  
 tcatgtgatg ctagggtca agattcattt cctctatttt aaatcaaccc aatgtttcca 180  
 aaatatgttc ttttatcgat ttgtgcattc ctccaagtcc acttcggggcg tccggggaaa 240  
 ttttcacagc attcaccctt cagatgtaga cacttttttt tttccaaaaa ctagctatga 300

<210> 14540  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<400> 14540

aagtaacaag ttggcaaaga agcaaaccga atcgacaagc aaagtacata aattctgtag 60  
 aagcgagctt catgatgaat caagattgat tcaaagaagt tctgatgata acaaagctga 120  
 tgacaaaaag ctcaaagggtc aagaacactt catgataaca aagatgatga tctccagaat 180

caaagaatga gttcaagatt gaatcaagaa cacttcaagg ttcaagagga aatttgattt 240  
 caagaatcaa gaatcaagtt tcaagattca agt. 273

<210> 14541  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<400> 14541

ctccatgaga ggcgggatca catggagaat atatatcata atgaagaaga aaggaggaga 60  
 agagggaatg atcgtgttcc tatacaaaac cgaattgatg gtattaaact caacattcct 120  
 ccatttatag gaaagaatga tccggaggcc tacttggagt gtgagatgaa aatagagcat 180  
 gtcttctcat gcaacaacta tgatgaggac cacaatgtga agcttgccgc cacggagatt 240  
 tcccactata ctcttgtgtg gggaaca 267

<210> 14542  
 <211> 358  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14542

tataaggaaa ttgacggtta tcttctaaaa agaaggtttt aagaagagtg aaaatgaagt 60  
 cactttgtat gtgaagtgat aaaaaaatga agtgcaactc attggttctt tatatgttga 120  
 tgatttattn tttatatata gggatatcaaa ttccttaaac caaatcaaga atgatatata 180  
 tgaagaaatt tgaaattata gatttggcaa aaatgaaatt tggaatggag aatctcacta 240  
 ctagaaaatg gcgttntacg acacagacac tacgacgatt atgggggaac cgccttaaaa 300  
 agatgtgctg tggctttttg taattatttg acaatattag gatttacgat ttaaatta 358

<210> 14543  
 <211> 217  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14543

tatgtggcag ggcgggctta cttcaccttc ttgtttcttc tcgaactttg accattgttc 60



ttccttcccg cgatgcttct tttcatgtct gcctgagtgg gcttatagcc tanaccatac 120  
 ttcccacgat taccttgngt atttatcagt ctagttatgc cgccgttggt ttttcctaaa 180  
 cccatcccg gctcataacc gttccccaac ataactc 217

<210> 14544  
 <211> 411  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14544

atcttcttca tcaatggagt ccgttgcttt ttgtatatca atgacagtgg aatgcagaag 60  
 gaggaagggt gattggagat gccacttcaa ggagaagaga gtcaagaaca agttcaccac 120  
 cataggaagc catggataag agcttgaagg ttggagaaga tgagtggagg gagagggaga 180  
 gaatgggcac gaaatttatg cctcgaatga ggtctaaaat ttgaagtgtata atttctcana 240  
 tgatcaaagt agaaataatg cacacaacag gcctctatatt atagcctaag tgtcacatga 300  
 aattggaggg aaatttgaat tttattcaaa tttcacttga atttaaattt gtggagctaa 360  
 atttggagcc taaagttcac taattatgaa tagtgaaatt tancatggt t 411

<210> 14545  
 <211> 288  
 <212> DNA  
 <213> Glycine max

<400> 14545

agatggacca tttcaagtgc ttgaaagaat tatgacaatt cttacaaagt aagctacccg 60  
 gtgagtataa tgtagttcc acctttcatg tctctaactt atctcttttt gatgcagatg 120  
 gagaatccga tttgggacca atcctttctca agagggagag aatgatgacg aaatgaccaa 180  
 gagcaagggc aaggatccac ttgaaagact tggacgacct atgacaaggg ttagagcaag 240  
 gaaagccaag gaagctcttc aacaagtgtt ggccatacta tttgaata 288

<210> 14546  
 <211> 226  
 <212> DNA  
 <213> Glycine max

<400> 14546  
 attctacatc gatgagatcg atgcaaagac tatcactcgc agctagtcgt tcaactcacia 60  
 tgtaagatca tactctcacc gcgtctggaa caagctgttc tttctcaata aatgtgtcta 120  
 ttgactaacc attctaattg cagacttaca tacttgctct ttctttgtgc aacacacata 180  
 cttgctcaga ctcatgaaga gaaacataga ctgcatcata atcatg 226

<210> 14547  
 <211> 314  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14547

cccaaacacc ttgaccacga atctcttctc ttaatgcttt gttccaatcc tcgacctcaa 60  
 agcaatattt atatgttaat tctttttgtg gaccttgggc tcataactta agaggatggc 120  
 ttagangcag aagaagcaca atcaattaat agtgtcttta aataagatag ggaagagaga 180  
 atgctataca gtttatactg ttgcacacaa cccgtgccta ctcagtacta agcaccatt 240  
 gagattttat attttgaaaa atcattacaa ctctgaccac acagacaacc atccttggtc 300  
 aagaatctac actc 314

<210> 14548  
 <211> 146  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14548

tcaaagtctg acaagagtat gatgaactaa gggacgtcca tatggccacc gctgaagcct 60  
 tggaacgaga aaccaagaag gcccgaaagg aagaacacgt gccagcaaag ttntgagggg 120  
 ctttatacgg cagcaatagt aagctc 146

<210> 14549  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<400> 14549

gctataactc ttccatgttg tttgttgacc acacatgtat attctataaa agcaaaacct 60  
 tgactggcat ttcaataact ttttagaaca acttcttaga atttcttgaa caacttttga 120  
 gaaatcttga cacattggct acttatcttt cttctctctc ctttgccaaa agctgtctaa 180  
 gttttctggt ttacaaacct tattctttca cataaaacaa aagcgtgata tatctctata 240  
 ttctctgctc cctttgccga atagaatgga ccacgac 277

<210> 14550  
 <211> 172  
 <212> DNA  
 <213> Glycine max

<400> 14550  
 tccactgtcg ctgatccgca gagtggtcaa gtcaaccaag catgtgttgg cagccccatt 60  
 ccatggctca atgaaggtac tgattgcgca ttctcttgct ctatagttaa agggaatcaa 120  
 ctattgataa tggattcgga gggtacaggt catatttgca catccattga ct 172

<210> 14551  
 <211> 218  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14551  
 cccagattat taacactnat actcttgatt cacaaacaca aagttgacat gatgccaatt 60  
 caaacctana gaaggacacc actaacgcaa tacatcaact tttctaacaa gaagaaactt 120  
 gcatagaaat atgtcatcaa attcacactc aatatatcac tgtgattctt tctggatatg 180  
 aaagctcatt ctttattttt atgaaaattg tataatat 218

<210> 14552  
 <211> 381  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14552  
 agttgacgtt tatgtggcct gccaggagac cagtcttctt cctctagagg ggggtggggcc 60  
 tccacaaccc aggagcctgt gactaaagag cctgcagcag aggaagagac cactccagct 120

cagactcctc agccatctcc accatctgaa cctgctcctg acgagactca accatcatca 180  
gcactggatc ttaatgaaga ccagccacag gaggagcann gacgtttaat tttttttttt 240  
gcattatgaa cacttttagtt ttatttcagt tattttatgc tttatgtcat ttaaatntca 300  
gcttttatat ttcagtaaca tagttgtttg tttgcttgaa caaaaagctt gatngaacag 360  
tgaattgatt gacattgcat g 381

<210> 14553  
<211> 348  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14553

ctctcttggt caaaagattt tggacatggt ctatgggtctt canacctttg ttggtgaaag 60  
gtttgatact ttgtagttac aagtggacat gtgattcaat gagatggagt caacgatcat 120  
caagggtgaa gaagatgttt cttacattcg tacaagcttt gatctaccac caccaccgcc 180  
accatcatct taggtgtcta ttatgtntaa taatattagt actttgaatt ctaaccgggg 240  
atttggtcat attattatga cagttgaaca atttaataatt tcttttatatt gcatagtatg 300  
attgaacaat tatgaattat gttatatgac tatgagggtt ttatatat 348

<210> 14554  
<211> 405  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14554

ttctagccaa atggacttac cttgaattaa ttccttttat tttccttttg agccttggtt 60  
ccctttcctt gttttgaagc tcgctacaag ccttaagtga aaaaccatga tattaccata 120  
tccttaaaga attttggagc tttggaattg ttttgggaat aagtgtcggg ggtttttggt 180  
tcattggaca acttgttttg ttggctatgc ttcattgatgt attttgggcc atacttgatg 240  
tacattgtat attgggttaa tggttgacat gctgaatgaa atgttggttc tcaaaggcta 300  
aagagtcaaa aaaaattcga aaaaagaaaa agaaaagcaa taaagttgag tgaataagat 360  
cttaaatggc acaagaatga tgaaactctt nggtctactc ttcatt 405

<210> 14555  
 <211> 494  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14555  
  
 nnnnnntttcc cggggttcagn acgtacngnc nnntcactat agaaacccca agcttgctta 60  
 aggcgtagga ccttataacg agtttttagtt attttttgct gacanagctt gatttgcgag 120  
 tggattctag ctctagtttc acttacgtaa ttagtcaatt cattcaacga aacttccaaa 180  
 gacaaacgtc cgattgattt ttgcatatt tattcaaaga attgtgatta atttatatta 240  
 tctttaagaa attngattat ggtatattat ttatggaaaa gtacgaaagc ttgcggaagc 300  
 atatatgact tcattntctt tcttttactc ttccctttca gcactatcaa gtgatatatg 360  
 cttacccaac gttntcngan natntacgga aacattacgg aagtcccgga agcccagaaa 420  
 gccatttttc acaaaacatg ggacgaggtg ctgcgcagtc gcccaaaaag ctaagttgtt 480  
 tcaccttaac aagg 494

<210> 14556  
 <211> 363  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14556  
  
 agctaccttg gnttatactc tgcccagcct tcgttaaccg ttggatcttc tcaaaacttg 60  
 gtttgctact ttaaaagaca cttgtccatg atctgacagt tgggatcttt gagaagatgt 120  
 ttggagtctt agaagcttcc gttcccgaga gcattcttta tttaaactt ttagcctttg 180  
 ctttcgtgta gttgaggaaa aacgtcattt cttcttcttt ctttcttcca aagccatttc 240  
 taaagttccg agaactttct ccatcacaca cagcctccat tagccaccac aaaccatcat 300  
 tgttctccat tgaaaaccca caccgagagg aacccttcaa ccgaagcgga atcttccaac 360  
 ttg 363

<210> 14557  
 <211> 392  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14557

agcttagtct tgttcaacct accatcctta gactgatggc caaactgaat ggaccattca 60  
gttggtggag gatcttttga gagcgtgtgt cttagagcaa aagggaagtt gggagagttt 120  
tctgccattg atagagttca cttataacaa tagttttcac tctacgattg gcatggctcc 180  
ctatgaagct ctgtatggta gaagggtgtag gacacctgtc ataccctaatt ttcgttcggg 240  
gaccagctgt ttgttgggat ggcaccctcg tttgaccact tcgaggtact tggcacccat 300  
cgttaggcaa ttcgtgaagt tctgtgacat gccggaagtc aaaagatagc atntgtgcac 360  
aattcgtgaa gttccgtgat gtgccggaag tc 392

<210> 14558

<211> 416

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14558

agcttctatc cttatagact taccttgact taattccttt gatagccctt ttgagccttg 60  
tttccctttc cttgttttga agctcactac aagccttaag tgaaaaacca tgatatcacc 120  
atataccttaa ggaatttttg agcttttgaa ttgttttggg aataagtgtg ggggtttttg 180  
tttcattgga taacatgttt tgttggccat gcttcatgat atattttgag ccatacttga 240  
tgtacattgc atattgggta aatgttggac atgctgaata tgatgttgtt tctcaaaggc 300  
tacagaaaaa aaaattataa aaaaaaaatc gaaaaagaaa aagaaaagca gtaaagtga 360  
gtgaataaga tcttanatga canaagaatg atgagactca tggttctact ctttat 416

<210> 14559

<211> 342

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14559

agctggngtg ggtataggca aaagcatcgg cggatcaagg agaatgggct tctttcacgg 60  
atgtcttggc atcattgata ttcggagtca tcctttttcc agatgtggat gggctagtat 120

acctagcggc gatggatgcc ttccttgctt atcaccatag caaggaaagt ccgatcgctg 180  
ctatgttggc tgctgtctat gacacgttcg accgaagatg cgaatagagc aacgcgataa 240  
ttgtctgtgg aacacctgct ctctatgtgt ggctagcctc acacctctat tgccatgaaa 300  
gtaaacccat ctgtcccctg caaggtcacc gcatttgccg cg 342

<210> 14560  
<211> 344  
<212> DNA  
<213> Glycine max

<400> 14560

gtatgaaatc cactcgacaa ggtttgaagt agaagagaac cttcatccta taacgcaacg 60  
tggcgggacaa aaatgggtag ttaacttgaa tgaccattat tgtcaatgcg gaaggatttc 120  
tgcgcttcac tatccatgtt cacacattat tgcagcttgt ggttacgtga tcatgaacta 180  
ctaccaatat atagatattg ttacaccaa tgaacacatc ttataagcat actccgcaca 240  
gtggtggcct cttgggaatg aagcggcaat tccttcttct gatgtggcat ggacactaat 300  
ccctgaccca actacaattc gtgcgaaagg tcggccaaaa tcaa 344

<210> 14561  
<211> 487  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14561

agggannatn nnnncttttg ttcgtacacg tcgagttcga gctcagcccg cggcgatgcg 60  
atacagtcga gctgaccgcg tggcaggcaa gcttgctttt aatctgccct acctgaacga 120  
aggagtggat atttacctta ttgatttagc tccacatcta aactagcgc aaggataaaa 180  
gctaattgggg gtcttgaga tgtctatacc ctcaggagag ggcgcactta acaatatttg 240  
tcactctaac acatttaact ctacatatga ataattgtag agcataaggt ggaggactac 300  
tgtcttactg tgattaacat ctgtgaccga cgggtagagt gatcaaact catagccat 360  
tacgagcact aggatccaag acttgctgaa gaccagactg tgagacgcgc acccgagaa 420  
agaattcacg catttgaaag tccgtgagac cagaatctaa acgactgtaa tgtctattag 480

gaagaan

487

<210> 14562  
<211> 167  
<212> DNA  
<213> Glycine max

<400> 14562

agcttcattc gcacattctc tctcgtaaga cgaggcgcag actaaacagc attattgtaa 60  
caacataaga aaaaccaaga ctgagtgcgc agatccctct tgtaagacta aagagcgatc 120  
ctacttcgat caagttcgaa tgcaacagta catttcccaa tgctaaa 167

<210> 14563  
<211> 253  
<212> DNA  
<213> Glycine max

<400> 14563

agcgtgcctt ccagctcacc caggcgagca acggggcttc ctccataagc aacagccttc 60  
tggaggaatc ttctggaggg cccaagtggg cctgggttgc atttgcaccc cttgtatac 120  
taaatgcact cctcctttc tatttatctg taattctttt tccgtaacgt tacgaaactt 180  
tacgaatttc tgaacgataa ttattttcct tccgcaagga tacgaatcct tacggattat 240  
gtatttactc ttt 253

<210> 14564  
<211> 311  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14564

agcttttata gtgatgtttg tannngancn ccnactcaca agcaaaagag acatagagga 60  
acgaagacaa ataaaagaaa gaaataagga atagagggag gctcttgac gtttatatcc 120  
acctctttt tattaatatg tttgttggt tacaccagc tctctaaac acctccctt 180  
ctatatccaa agtttacaaa taaagtccaa cactttcaca acctacactt taagccctac 240  
aactntatgg aaactatcaa caatactatg gcgattaata aancataacg attgttatta 300  
aaattttcat a 311



<210> 14565  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14565

agttttctttg ttatatcttc gatcggacat ctgccaggc cgaggtcgac cgtcattatt 60  
 ttcgatccat tacggngaataaatatctttt tgccgagatg ggctaatagta ttcttgccg 120  
 aataaatggg aaaatgccag tgctggccga aacgaaaagt cggctgagct cgcacaaaaa 180  
 aacctagccg acctacattt taaatttttc atgcaacccc aaaacaagaa aacttctgt 240  
 gccgtataaa aaaaaaaaaa acattacatg acagc 275

<210> 14566  
 <211> 434  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14566

nacgtttgtt tcttgacttg anacnagnac nggaggtcag cgacgcaggg gcgggcgagt 60  
 ttgttttcna ttctctcagg gaccagcggg cgatgaggtg cagtgcctnca cactctatac 120  
 tccatgtata atggtctcat gatcgcgtct ccatcgcat ccaagtaagc aactggcttg 180  
 agtcgggta gtttttcgaa tcattatcct tacggtagat aattgataga caatttttca 240  
 catatctggt cacatcgccg tcttaggtcg aggttgaaca ctagggcggc gcgcgattaa 300  
 ggaccccatg gggcatgcct gtagacggaa acccctttac tggtaatac taagaacgac 360  
 tgccaccgc cttgctagtg gtcagccact gcaagtgtaa ttctggagac gctcgaccgg 420  
 ccttcagcgg tccg 434

<210> 14567  
 <211> 487  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14567



tttatttttt agggagagaag agtaacgtaa aaaaaaagaa gaagttaatg aacctgagat 240  
 tttcctttga cagcagtggc tatgatggag aggccttgca gccattcctc acggttgaag 300  
 tgtccatctg caaagaagcc attcccatca tt 332

<210> 14570  
 <211> 397  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14570

agctngtggtg ttatttgtgt ttgcaagtaa atgatgaatg agcgagcgca tagcacaatg 60  
 aatntaagat gaaacgacgt agttggcagt gaggcaggag gagtttatgg ttttagcatt 120  
 gttgttcttg agttgtgttg aatctggaga gagagatgaa taattgtata gcaaagagac 180  
 gtgagaatgc gaggagcagt agagaggaag atcaactgat agtgactcca ttaggcgctg 240  
 gaaatgaagt tgagtcttgt tgcattgtgg aatacacccg gcttactctg gcatggctgc 300  
 tttgccctat ttcgacgaga ttgacccttc catagtcaat gttcttctca tcaactcactt 360  
 tcaactggat catgctgctt ccttgcccta ttttctc 397

<210> 14571  
 <211> 415  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14571

agcttcattt attttacata tttcttcacc aaaaaaaatc tttaccataa aaaagtaact 60  
 tatttgatta attaataaat ttcaaattt aaatcaaaaa atacaaaaca aaaaagtgtg 120  
 taataatttt ttcgaaagca tgccacattt ttatttaatg tttttaaaga accccccttg 180  
 gtactagtac tgcttcacct tggcttttcc tcggaaataa taggaaaata tttggttaaa 240  
 ttggtttttt tcttctcaaa tttgatcttt tattataaaa aaacgtagac aaaaaagtta 300  
 aaataagctn tgtttcattt aataactaaaa tatttatgac atanaaatat ataattattat 360  
 ntaattattca aaaaatgaat atgtnatta aaaatggata tcatgattac aaaga 415

<210> 14572  
 <211> 354  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14572

agctnagatt cttctattac ttccatacat nggctntgaa caccatgagg aaattcgcac 60  
 aanacactga attggtgaga cacaaagtta caagatttgc taccactttc ttaactntgc 120  
 aaagattgca taagcaaaag gccaatctta gaaggatgtt tacttcggat gaatgggtga 180  
 agtctaagga agctaaagag tctaagggga agcaagcaac aaatgttggt cttatgccat 240  
 cattttggaa tgatgttggtc tacattttta aggctatang gcctcttgta agtgtgttga 300  
 ggttggtgga ataatgaaaa aacctgcaat gggtttcatt tatgaagcaa tgga 354

<210> 14573  
 <211> 224  
 <212> DNA  
 <213> Glycine max

<400> 14573

cgaccgcga ggcaggcaag cttggttatt cagcgactaa accccaacga gcgccgggca 60  
 gtgatggaaa tcttgacacc cacctgcgaa cagattgtcg aggggaacac accagacggg 120  
 ccaaactgga aaccacaagc cacagtgcct gatgatggct gccgacacat tcaaccaacg 180  
 gcccgtgacc acgaggattc tcacggacct cgatatgtca caag 224

<210> 14574  
 <211> 398  
 <212> DNA  
 <213> Glycine max

<400> 14574

agctttattc tcattgtctc tcacagtctt tagattttgg gagccaatcc aatccttggt 60  
 ttctggactct cagccactta tgatagccgc cgatgatccc attactgctt cccctaagct 120  
 ctctgtcctt tcttcacgtc gcatcccatg ccttgcgaaac tccttgaggt accctcgcgt 180  
 tgtggtcact gaaaccccggt gtgatgaaag gtgtgatgct tttgtctgat ggcactcctc 240  
 tcatggggta gccaaagtgggt cttatggcga ggacgggatt ataattaata caacccttg 300

ttcccatcaa gggaacattt ggacatcctt cgcatagaaga tagaatcctg attcttcctt 360  
ccttctagcg agggaaaccaa ttaacagatg ctccttct 398

<210> 14575  
<211> 335  
<212> DNA  
<213> Glycine max

<400> 14575

gtgcaagcga cattttatctt tatctttttt cttcaccaaa aaagagctgg accataaaga 60  
agtaactcat tcgactaatt aacaagctcc aaacatgaga gcagacagct acacaccgaa 120  
aaagctgtta ctaatctttt cgaaagcatg ccacattttt atagaatggt ctgaaagaac 180  
cccccttggg actagaactg ctacaccttg gcttttcttc ggaaatcaga ggaaatatt 240  
cgggttaaatt ggttcttttc ttctcagata cgatctttta ctatgaacag gcgtagacaa 300  
aaaagttaaa tgcagctttg tttcatttaa tacta 335

<210> 14576  
<211> 388  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14576

agcttcggtt attgttcggg actgcgngag caagcacctc tactcctccg ccattcttctt 60  
cgccgacaaa gtggcagcct tcaccgccga cccgcgagac atctacatgc aggccagggc 120  
cctcttcttc ggccgccact accgtcgcgc cttccacctg ctcaacgcat ccaaaatcgt 180  
cctcaccgac ctccgattcc gctacctgc cgccaagtgc ctcgatttct tctgggttctt 240  
tctctctttt ttcatttgat tattgattaa aaccattcat tgaaaatata catcaattct 300  
aataatggga tgtctttttc tatttttatt tanacgagtt gaaacgtgat tcttgaatga 360  
attcagatag tatgagttac aacttata 388

<210> 14577  
<211> 297  
<212> DNA  
<213> Glycine max

<400> 14577

aatgagagga acatgaaaga taaattatac cttaagtaac attgtgatac tttctaatat 60  
 taagaactta aatgacaaca aaatacattc tgaagatcaa gatgatgatg ataaaagaac 120  
 attgcatagc ataagaaaaa cactctaaga gtgtgtatga tttatatgag agaggtagaa 180  
 gacattcaaa aaatataatt ttgtattaaa ataatatgta agaaacatga atttgacatg 240  
 ataaaatata gaatgtctct gttatttagt tattggcgaa acaaacacac ccgaagt 297

<210> 14578  
 <211> 510  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14578

nnnattcgtg ggctttcgtt tgatncnntg aanaaacnng naacnnggagc tgggaccagg 60  
 gagccgaaga gaggacaccg aggcttgctt tctgtttctg acaanccnca agagcgggac 120  
 agcgcgtgaa caacatacgt gcgcaccact caaccagtat atgaggcgctc ggcgaccgag 180  
 cccaacaaag cagcctcgaa acctactgga catgcgacac cccgcagccc gtgcctggcg 240  
 agcgccacag agcaccctaaa ccttgaggac acagaaacac cagggtgagga gcagggggac 300  
 gcaatagacc gatggcgcg ctaacaccga gtagcctagt gtgcttaagg cgcggaacagg 360  
 acaagaacca atacgtgcac tcggggccacc aaaggaacat aaggacagcc tacacatgac 420  
 gatagaatgc ggattcgctc ctccatcgag cgacggaacc aaataacaga tgctccttaa 480  
 atggctagac tagagtcaga cccacaatcg 510

<210> 14579  
 <211> 306  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14579

atcttattct acgcttagnn ctcaaagaac tacgtaggtc tgatttcctt atcacaattg 60  
 acgaatacgt atgagcaagg gaaacaccct tgtcgacccc aaaaaagata aaaaaaatgt 120  
 aaaaaagcac aaaaagacat aaagacgtaa aagggaacat aaaacaaatt gaagtcatat 180  
 ttgcacactt gattaaaggt tgtcgctcct tgtgacggac gcgtgggggtg ctaatacctt 240

ccctgtgcgt aagtataact cccggacctt tcaacttaaatt tntgtagacc acacctttcc 300  
agtttt 306

<210> 14580  
<211> 431  
<212> DNA  
<213> Glycine max  
<400> 14580

agcttctttg ttatacctcg atcgggtcatc tttccaggcc gaggtcgacc gtcatttttt 60  
tcgatccatt tcggtgaata atattttttt gccgagatgg gctaattgttt tcctggccga 120  
ataaatggga aaatgccagt ttcggccgaa acgaaaagtc ggttgagctc gcacaaaaaa 180  
acctagccga cctacatttt aaatttttca tgcaacccca aaacaagaaa acttctctgtg 240  
ccgtaaaaaa aaaaaaaaaa cattacatga cagcgagcgt tttgaaaaac aaaattgcgc 300  
aacgtcggct gaaaaatata agtcggggct tcttcacgac cgatgtcggc tattgagttt 360  
tcaattcaat ccgtgaacga aatttgcata atgtcgggta ggaaatgttc gatcggcatc 420  
atcctgtgaa g 431

<210> 14581  
<211> 408  
<212> DNA  
<213> Glycine max  
<400> 14581

agctatagtt atatacttac taatcatagc tacaaccttc cgattaagga gctcccatc 60  
gttgtctttc ttccctttca tcttattctt atgggtgatt gactcgtgca aatccttgca 120  
gtacagatga ttttccatca ttgacttcca ataggagtaa ctttttgcaa ttagcttgaa 180  
aatatctgca tcatgagtga tagctccctc catcttgaat cacacaggat aatagctccc 240  
cccaaatcaa gcaagctctg ataccactat tgggaaacac tagctctatt tccctctctg 300  
tagactcaaa atagacactt agcggaaatg aacaaaaaaa atagaataga gagtagaaga 360  
atgacacaca cgaatcttaa cgtcggaaat cttttcagag tgaaagat 408

<210> 14582  
<211> 480

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14582

ngacgtaggc attgagatng taanaccaca atcagcaggt cacagggacc gaggacgcac 60  
gcgaagatgc ctcttcaatt aattcngcaa ncgccgagga aggactggga agagtcttct 120  
acacaatagc gaccacagag aaacacgggg aacaacgtgg agctcacctg aaaaaaagag 180  
gaaggtagga ggcgaacatg ccgatactca gtccaggggc catttatcaa aagagaaaang 240  
aataagacct tgaatacaag tcaactcaca aagcatagat acgatgggag ataaaaacgct 300  
ggctcagagc atatatggca acggcaacct gaaccaattg gttggataga accaccgtca 360  
acataatcac ccgattatct gtaaaaggct agggcaggaa tggcagaacc actctactgc 420  
atagaagcgc cagaaaagcaa acaaatgacc tggcctngat aaggatagta agcaaattggn 480

<210> 14583  
<211> 421  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14583

agcttccatt gattcacata actcccatcc actggatccg cccttatttc ctccatcaga 60  
aacttgtaag cagtgttggt cgaataaata ccactcgaat gttgcttcca aatccaagaa 120  
tctgtccat gttgttgaat tgatatcagt cctatatcct ataggaattc tgcagccatt 180  
gaagcttcac tatcgaatag gtttctctc caattgaaat tccattccca cccttctctc 240  
ttgtggcttc ccatgagtct gatagtttgt tgttggttgg tagaaacttg atacagcgta 300  
ngaaatttgt ccattaaagt tctgtcccc cctaaccatt tgtcatcncc aaatctggtc 360  
atgtcttcac aatgcacctt ccactctatt tgatccttat ttttattcac tcctctattt 420  
g 421

<210> 14584  
<211> 270  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations



<400> 14584

agcttatttt tctttattta taacgaacac agaagacggnn agaactgcgt tgaacctcca 60  
gcctacattc acacgatctg gaacatggca caactacacg tctagacaca gagcttgtac 120  
agagctnatn tncacccgca acacgaaaac aagattacat ggaaatatga atatatactg 180  
tgttgagcta gacctagaaa cgttcaagaa gatactgctg gtatgttgca ctaactaatt 240  
caaataacat gctnttcgag cctatatata 270

<210> 14585

<211> 403

<212> DNA

<213> Glycine max

<400> 14585

agcttgcatt ctataccttc gaccaaacac ttgcgtgtgt atgtctcggc ccggatttaa 60  
cgcgggttgc aacaccggct ccgcttcctt aactgtacta taggcggctg ccgcggctat 120  
atcctctata gttttctgga gttgtaacat gacctccgat atggaagcca tttgatcttt 180  
taaagtcgat agatcagcct tcattctgctc ctgcatgccc tcttcattat ccattcttct 240  
ggatcgagtg ttatacgggt gccttggtgt tttcttattt atgatgaaat tcctaaagaa 300  
ataaacaaca gtgagtatgc caccaaaaca tgaatatgct aatgaatgat cgaagcactc 360  
ggatccaccc caagggttct atattacatg atgagatcag aac 403

<210> 14586

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14586

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ggcaggctgc agcaccggct ccgcttcctt aactgtactg gaggcgggtg cgggtggcttt 120  
atcctctatg gttttctgga gttttaacat gacctccgag atggaagcca tttgatcttt 180  
taaggccgat agatcgacct tcattctattc ctgcatgccc tcttcattat ccattttttg 240  
gatcgagtgt tataggggtg ccttggtgtt ttcttactta tgatgaaatt cctaaagaaa 300  
taaacaacgg tgagtatgcc accaaaacat gagtatgcaa atggatgatc ggagcacttg 360

gatccacccc aagattttta gataacgtaa tgagtccaga acttctcatt ntataaaaag 420  
aaca 424

<210> 14587  
<211> 184  
<212> DNA  
<213> Glycine max

<400> 14587

gactaatgaa atctcaatca atctaatacg agatacgatg ttctaggaat. ttttaaatta 60  
gttataatcc tatgaatatg cgtttttattt tatggatctc agtgataatg cacttcttaa 120  
atgctaattc caatttctgt tcaagctaca aactcttttc cactatagat tttcaaccta 180  
caac 184

<210> 14588  
<211> 362  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14588

agcttctcta atattatgcg cctgaatcag acttccgttt caaaagttat gaccatatga 60  
atttctccac tgtattccgt gtgacaagtt atgaccattt gaatttctcg atagcattcg 120  
ttgttcaatt tcgagcgtct cgatatatta tgcgcctgaa tcggacttcc gtgtgacaag 180  
ttatgaccat ttngaattgt cgagagcadc cgttgttaaa tttcgagtat ctcgatatat 240  
tatgcgcctg aatcggacat ccgtgtgaca agttatggcc atatgaattt ctcgagagca 300  
ttcgttggtc aatttcgagc gtctcgatat attctgcgcc ttaatcggac ttccggggcga 360  
ca 362

<210> 14589  
<211> 379  
<212> DNA  
<213> Glycine max

<400> 14589

agaagagggg ggcttgcatg gccttttacc tcaatagaca agatttgcaa gtgggtgaag 60



<223> unsure at all n locations  
<400> 14592

agcttgatat gattaagtgt ataagggtga aacttcctgc ttttattcgt tgaccacaga 60  
gtggtacctg gagatatgtc gcgggggtca ggagacctg gggacgtcag gtgggggtgct 120  
attgccccaa agcaagcttg accaatcccg acccaacccg ggcatagtca gtcagtgaga 180  
acctgtgatg tacctaaaca ggcgagctcc tggccgtcaa tagataaaag aataaagacc 240  
acaaagcaag gaggcttggtg tgggtggctgg ccagctgtga actntgagtg ttatatggga 300  
tatggcctct ggtaatcgat taccaaggat gggtaatcga tta 343

<210> 14593  
<211> 485  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14593

agacgtctga ctctgntact nncacantaa nnaagacccg cgagncgaag agggacctgc 60  
agggagcgag caggtgtggt atcccaacag gaaccaacg aggcgaatcc agagcaaagc 120  
ccggccccca cccccacaga gagaaacata caggagccgc cagcctgacc cagagacatg 180  
acgcgacgtg gggcgcgggc acgaagccaa gaagcaggac aggagcggcc cgcaggaccc 240  
aggggcgacc atcaagcata gcgccacgag gaagggacct gaacacatgc aaacgtagcg 300  
aggacgctga ggcgaacgac ccccgaggc taaaacacg agagggcgac aagcgcaagg 360  
cccatgagga aagagcaacg tgcggcacgg cggtcgcgaa agcagacgaa cggagccgac 420  
gcgaacgcca gagcaccgga ataaagcacg agccgacgag acgagaagcg cggctagaga 480  
ggacc 485

<210> 14594  
<211> 377  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14594

gactaccgat ccgagantct gaaacacaan accngagang gacacaggaa cccgacggag 60

agagccaagc ttgatatact ttattggaac acagcagcgg aggacagcac tgacgccaca 120  
 cacaagaagg gcaccctggg acgagcccgg ggcaccaacg aggggaaacc agagcgggga 180  
 cgtagagagg gacaaacgac ggcaggaccg accaaacaga gaggaggag ggctcacgag 240  
 ccacgaaaac ggggacccga tagcgacaac cccggaccaa agaccaggg accaaagagg 300  
 gaaaaaccgc cagaaggccc aaagaaggaa aacaccagca gcccgaaga agaaccaccg 360  
 gaaagccagg cctgacc 377

<210> 14595  
 <211> 401  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14595

agcttctcta tcttatatgc atcttggtgc tataaaagtc aaaaattaaa tatatccctg 60  
 cttagcctaag tatttttaag tgaataacca gaataacttg aacaagtaat tcaaagaatc 120  
 agcaacatac ctcagcaggc caggcatcag actccttcaa actcacattt gtctccaact 180  
 gcttgaattc aggatagata caagcactag aggcataaaa aaacctaataa aaaataaacc 240  
 aaaaaacaag gatcactatg acggcgacat aaagactata tcatgcaatt gaaagtgaca 300  
 taataacaca tgtntgttca aaatgaatga cctcttaaca ccattgatcc tggcagcctc 360  
 aatcatgttg aagctaataca tgggtgttgtt gtacataatg a 401

<210> 14596  
 <211> 109  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14596

agcttgctct atattacatt gatgtttgta tntattggag gggtttgtat gccatttttt 60  
 gttttaaggg tagcgtttct tggtaaaact aactttccaa acgtttgcc 109

<210> 14597  
 <211> 168  
 <212> DNA  
 <213> Glycine max

<400> 14597  
 gtggcggctg accaactgtg aactttgaga ggtaaaaggg atatgagctc cggtaatcga 60  
 ctaccaagga tgggacacga gtacaacgct cacaaggaag acagcgaacc atgacggctc 120  
 agatatccct acccctcgga cgcaccaaac accgagatga aaaacgaa 168

<210> 14598  
 <211> 127  
 <212> DNA  
 <213> Glycine max

<400> 14598  
 taccacccac cggaccctag caccgagagc gctgttttgt tctagagaag aggatatcga 60  
 gaaattccgg aaagaagtaa gaggggtggc caaacaaaag agctacgagg cggacttgga 120  
 gctaaaa 127

<210> 14599  
 <211> 419  
 <212> DNA  
 <213> Glycine max

<400> 14599  
 cttaccatat atttggtgaa tgagggtgct gcatgtacac ctctcttcc aaaatcccat 60  
 taagaaaaac attatttaca tcacactgtt gaggtggcca gccataagtg acagctaggg 120  
 tgagaagcaa tctcactgtt attggcttta tcacaggtga gaatgtttct gtatagtcag 180  
 tttccatact gctgatggaa tcttttggcc actaatctgg ctttgtatct actgactgta 240  
 ccatcaagat tctctttaat tctgaaaacc catttacaac caatgggaac tctgttatga 300  
 ggcagagaaa caagagtcca agtactgttg ttgatgatgg catcactc agctttcatg 360  
 gcagctaacc atatgaagtc agtcaaggct tgcttaatag acttagtttc atatgacat 419

<210> 14600  
 <211> 402  
 <212> DNA  
 <213> Glycine max

<400> 14600  
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atagcagcat aagacacttc atgtattgcc atattatctg atggctatct tttattattg 120  
 atatgaacac atgtatatcc ttacatctta tatgggtggg gatgattacc ttctctatat 180  
 tcatacacac taatggctaa ggtgaagcaa ttgctctgt atccgtatga cagtgcata 240  
 tctactatat catttggtgg atagtgatat attaacacag ttttttcta taattaacgt 300  
 tgtgttctca ctattgacct ttgcatactc aatcatgtta gcactttttt atgtgtagat 360  
 ttacattatt attgaatgct tggctctgatt attttattca cg 402

<210> 14601  
 <211> 410  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14601

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 ttaaaagttt tattccaccc cttcatccca aattgtggga gaataattga attaaatgga 180  
 tagatgttat ataaatcata gtcacttttt ttttatcatg tagtatcaca tctctcaata 240  
 ttttatttta tattctaata atagatgcta tcttgaaatc ttaaattatt tttttgacct 300  
 acaacaattg aatgcaaatc aattntatga agaaaaaaaa atcaatcttt taaatggagg 360  
 gtagattnta acagttaatt tacaagaatt gaatcactna aatcaaacat 410

<210> 14602  
 <211> 111  
 <212> DNA  
 <213> Glycine max

<400> 14602

tatcttgctc taaatctaca ttgatgtgtg tatttattgg aggggggttg atgccatttt 60  
 tggtgtaagg gtagcatttc ttgtggaaaa ctaactttcc aaatgtttgc c 111

<210> 14603  
 <211> 157  
 <212> DNA  
 <213> Glycine max

<400> 14603

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 aaatctcaag aatcgggtgt cgcttggtga ttggacatag gcactgggtg ggaccgaacc 120  
 aatataaata ttgtgtgtgt cttcttcttc cctacac 157

<210> 14604  
 <211> 421  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14604

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 acctccaatc tttaatggag agggttacca gtactggaaa acccgaatgc aaattttcat 120  
 tgaggcaata gacttaaaca tttgggaagc catagaaata ggaccttata taccaccac 180  
 agtagaaaga accataatag attgaagcac aacaagtga agcacaacaa tagaataaac 240  
 tagagataga tgggtctaaag aagatagaag acgagtacaa tataatttaa aagccaaaaa 300  
 cataattaca tctgccctgn gaatggatga atatntang gtttcaaatt gtaagagtgc 360  
 taaggaaatg tgggacactc tacaagtaac acatgaaggc acaacatatg ttaaaagatc 420  
 t 421

<210> 14605  
 <211> 297  
 <212> DNA  
 <213> Glycine max  
 <400> 14605

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 atatatcgag acgctcgaat ttgaataatg gaagctattg agcaattcca atggtcataa 120  
 cttttaactc ggaagtccga ttgaggcaca taatatattg agacgctcga aatcgaacaa 180  
 cggaagctct ccagaaattc aaatgggtcat aactatgaac tcggagggtcg gactgagact 240  
 catattatat tgtgacgctc gaaattgaac aatggatgct cttgagcaca ttccaat 297

<210> 14606  
 <211> 406  
 <212> DNA



<213> Glycine max

<223> unsure at all n locations

<400> 14606

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ttacccatcc tgcttggacg aatgaaaaaa ctagggccaa tgaagagggt gatgatgaat 120  
ganaaccctg gctgtgactg ccattccaat acaacccaag ttcccaccca cccaacaatg 180  
tctttactca gccaataaca aaccttcttc ttaccacc ggcagttatc caccaaagcc 240  
atccctaaaa tcaaccacag agcctaccta ccgcactttc aatgacaaac accaccttta 300  
gcataaacca aaacaccacc caaatatgaa ttgagcga aaagcctgta gaatcacccc 360  
cattcagtgc ctatgctact tgctccatat ctacttgata ttcaat 406

<210> 14607

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14607

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ctcattataa ataaaggctt agtgtgggtc tccaagacgc gacattacac agtaaaacac 180  
tattataata aatgaagact aattgtggtc atcctcaaca acacattaca gcaaaccctt 240  
ccaacatcca taatgtgcaa tgaatgggtat ttaatgcata taatgcaaga actagtaaca 300  
tgtttgcttt gacatctcac ccagctcat gtgtgntca ccgaaacaaa cattcacggc 360  
ttctacatat attaagctat gactcatgga tatgaacaga cctaactatg gattttttgt 420  
aa 422

<210> 14608

<211> 495

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14608

nnnaagtacg ttgttagttt tcttttacnn tcacannnaa ttagagcacc gggcgcaggg 60



<210> 14611  
 <211> 311  
 <212> DNA  
 <213> Glycine max

<400> 14611

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 ggggggtatga actgcttgac aagagactta tggaggagaa taccaagcgt tgacatgagg 120  
 aacatcacta tactgaaaac ccaacactca acatcgaccc ttcattctct atggcaagac 180  
 acttgatgtg gaagatcgca cgcacaaaga gctatgaccc aatgacgtcg gacgcggcac 240  
 gagaatttgt gcacataatt gagagaccat gtcttctttt ggtactggca ttgccaaata 300  
 atggtgagcc a 311

<210> 14612  
 <211> 302  
 <212> DNA  
 <213> Glycine max

<400> 14612

agtctttttc ttagggagac ggaccatctc aagtgtctga aagaatcaat gacaatgctt 60  
 acaaagatga gctgcccggg gagtataatg tgagtttcac cttcaatgtc tctgatatat 120  
 ctctttttga tgcatatgga gaagacgatt agaggacaaa tccttctcaa tagggacaga 180  
 atgatgatga catgatcaag agccatggca cagatccact tgaatgactt ggagagccta 240  
 tgacaacggc tagagcaagg atagccaatg aagctgttca cgaatgttga catactattt 300  
 ga 302

<210> 14613  
 <211> 102  
 <212> DNA  
 <213> Glycine max

<400> 14613

attaatgcgc agcaacacat cgtctaaggg caccaatgac tgccttaaata aaaggacgcc 60  
 ttgtctgtct actcatctca aactcgccg cattgattaa cg 102

<210> 14614

<211> 277  
 <212> DNA  
 <213> Glycine max

<400> 14614

ttgatgcact cctctaataga cactcacatc gtttctggca ctaaattgct gggagtttga 60  
 agccatcttc tcaattaaat ttctggcttc agcaggggtc atgtctccaa gagctccacc 120  
 actagcagca tctatcatac ttctctccat gttactgagt ccttcataaa aatattggag 180  
 aagaagctac tcagaaatct gggggtgagg gcaactggca cataattcta tacatctctc 240  
 ccagaattca tataggttct ctccactgag ttgccta 277

<210> 14615  
 <211> 408  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14615

gaggtagcct gacatcgatc aaaancgnag tgacaggaca aaggaggggg cgagtttgtt 60  
 tcgtttanga ccacacacgg gcgcggaggg ggaagaaaac actcgcacc aaacaacgga 120  
 gaaacacgaa gccaccggac gccacgcaga cacaaggaa gaacgcggtg ggtacgcaca 180  
 gacggacacg acggccgaac ggacagaacg cccggcacga tcgcaacca ggacagggcc 240  
 ctgagaacgc cgagagccgc ggacgcccga accggagaac gacgcgccgc cgccaaagt 300  
 aaccacacta gcgtacggcg ccagtcaagc aaacacctag ccgggcaggt atgcgcccaa 360  
 gagaagacaa cagcgccgcg gtaaagcaca tcggacgcc cccccccg 408

<210> 14616  
 <211> 312  
 <212> DNA  
 <213> Glycine max

<400> 14616

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 gacaatagca tcgtttctgg cactaaattg ctgggagttt gaagccatct tctcaattaa 120  
 atttctggct tcagcagggg tcatgtctcc aagtgtccca ccactagcag catctatcat 180  
 acttctctcc atgttactga gtccttcata aaaatattgg agaagaagct actcagaaat 240

ctgggggtga gggcaactgg cacatagttt tttaaattct tcccagtatt catataggtt 300  
ctctccactg ag 312

<210> 14617  
<211> 389  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14617

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ggaaggccca agtgggccta cttgctatct gcacccctct gtttactaaa tacacccctt 120  
gcctttnttt gctgattctt tttccgtaac gttacagaac tttacgaatt ctgtaacgat 180  
acttgttttc cttccgtaat gttacggaac cttacggatt acgtaatcat cccttttttg 240  
gcttttcggaa tgttacggaa cctcacggat tgtgtaacaa tgcttcctta tgatttccgg 300  
catgttacgg aacttcacgg atcgtgcaac aatgctctct tttgacttct ggcattgtat 360  
ggaacttcac gtatcgtgca acaatgggt 389

<210> 14618  
<211> 292  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14618

agcaagagtg nctgtttgtt gangnngagc caagagctag catgctacgc taagctctaa 60  
ttctttgtgg ctctgaacat ttagactta ggctaagctc agttgcgtgc taagccattc 120  
tacaaaaaat gtttctgtgt cttcgagcta agcgtcaact tgctgcgttt aacgcttgag 180  
taaaagttaa taaggcgcg taagctcaac atgctgtgct atgcgccag tcagaatttc 240  
agtattatct ttctgtttgt gtgaaaataa catgtattaa tctcttgtgt tt 292

<210> 14619  
<211> 341  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 14619  
 ctgcatactc atcccttatc acaagattgc caaaatccaa taactctgcc actggattat 60  
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 tgccagaact gtttagtctc aagatggcag aggaatcatt tattgggttg ccaccgttg 180  
 caacccaaac aacattttgt gacggattat tcttgaacca aatccccagg tagcttttgt 240  
 ttggaagtcc aagattgaag aaaccaagct canagattcc cctttgggaa accatggtct 300  
 ttccaaaact ganggattgg gactgtgaaa tggatgatgt g 341

<210> 14620  
 <211> 421  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14620

agcgantatt tcttgcnttc tatggcggng agccngngct tgactcatct tctacttgaa 60  
 gtggcatctc caatcacctt tctccttct ncattttgtt tccattgatc ttcaagaaac 120  
 aaaggactcc attgatgaag aagatccaag gctaccagc tcaacatgga gctacatcat 180  
 gtggtatcag agcatcttca tctaggtgat gatcttttgc ttcctctatc tntntgcttg 240  
 gtcaattcac tataattcct tgggtcttcat cttcttctcc atgtatctcc tccattgctt 300  
 gtggcttggc tctgtntaga gtagattcaa aaaaaataa accgattcaa tcttagatct 360  
 acacttgctc ttgcatttct atggttcaca tntaatagat ctactcttga atcatgtttt 420  
 a 421

<210> 14621  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14621

gcaccggcga ggcgatacag agagccgacc ggcagcagcg caagcttctt atataaatgc 60  
 gagagaacgg acggcgggtg ccagcacaac gacaacaccc ccgagcggca ctaaagngag 120  
 ggagagcgac ccacaactca gccagacgg gctgaccagg ggtcatgcgt acagagcgca 180

ccaccagcag cacgaccaga cctcgccccg cactgagccc ca

222

<210> 14622  
<211> 417  
<212> DNA  
<213> Glycine max

<400> 14622

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agtggctgtt cttgactctg tcactctgaa ggtgtacagt ttttgcttca agcatagccg 120  
atttgcaagg gactttgtca tatacaatga ctccagtttc aaccacattg aggctgctgt 180  
cttttctctt gcaacttctc ttaaagcttt atctccaagg tatataatga ttgcacttct 240  
ggcttttagca atcatctctg atttctcctt tgagcttaga gattcagaca tcttttcttc 300  
tcctttaaga gcttctgcac aaccatgatg aatcaagatt gcttccatct tgattctcat 360  
aaccacagct cattttccct gaaaacttct ctatatcgta ctttggtgtt ccatctt 417

<210> 14623  
<211> 371  
<212> DNA  
<213> Glycine max

<400> 14623

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ttaccctcgg aagcaaaaaa aaaggggaga gggaaaattt ccaatcaaag aggaagcaaa 120  
aaaggagaga aggaaaattt ccaatcaaag gaaaaaaga gaggaaggagg aattcccaat 180  
caaagagtgg gagaaagcaa aaagaaaaga aagataattc ccaatcaaag aatgggagaa 240  
agaataaaga gaagaagata gggaagaaag ttcccgatca aaaaaaaaaa taatatgcag 300  
aaaggtcttt ggaccggaca atatctgaac aatacagaat tgtcaccaaa tgaataaaaa 360  
gaaggaaagg g 371

<210> 14624  
<211> 360  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14624

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catggagtgt cagcgggaaga taaaggagaa gagttgagag gaggcgtcat ccactatgaa 120  
ataagccatg gaaggaggag cttcaccacc atgagagtgt cttggataag aagcttagag 180  
agaaagcttc aatggaggaa gaaaatgtga gagggggggg gggcactaca ttgaaggaga 240  
aaaagaggga gagaagtga actttgaagt gtgtctcaca agattcttat tcatcanagt 300  
tacaagtgtt acacatactt ctttttatag cctaggtagc ttccttgaga aacttccttg 360

<210> 14625  
<211> 400  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14625

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aacataaaaa gggaaaagggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120  
tttctatgct tgaaacaaaa ttgattgggtc ttgaatgttt gaaaagcatg tatgaaaatg 180  
atgaaacttt tggagaaatt tttaaaaatt gtgaaaaatt ttcagaaaat ggtttcttta 240  
gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300  
atgtgcttgt ttgtgaagca catgaaggag gtttaatggg gcatnttggg gtccaaaaga 360  
ctctagaaac attacaagaa catttttatn ggccctcatat 400

<210> 14626  
<211> 218  
<212> DNA  
<213> Glycine max

<400> 14626

taaccgccat cggccagggc caatgacgtt ggagatcagc agggccccc gaaaaagtgt 60  
gcagtaagga ggcgaaagat agcgttgcggt aggttaactac ggtgagacgt ggacctgctc 120  
tcgaagatta tgtactgaca catttgatga caactgctct tcaaggggaa ggggatgatg 180  
gaagactacc tatgagggga cgaagcacta taacaatg 218

<210> 14627



<211> 363  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14627

ggcttttatt ctattttccc aaacatgaca aagaatgttt ccaacaatct aattctcacg 60  
 ttaatctagt aaatcttggt ctactctnta tatagtttta tgattatcca attgattcaa 120  
 gagcaaccct gcatgttcac atggtatcat gaagtattat ataaaaatct atctgatcat 180  
 catcaataag caaaatacag aggctgtcaa caattaattg aacaataaca tattaaaatc 240  
 aaatagatat ctcttgacac acatatacag aaagcatact caattcatga tagtaaataca 300  
 atcaaacgta cacttttatag gtacgagana cangataaag acacattata atcatagata 360  
 aat 363

<210> 14628  
 <211> 413  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14628

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 ataggttgga cctcccagaa gagtatggag tcaggaccac ttttaacatt tctgatttaa 120  
 ctctttttgc aggtggagct gatattgagg aagaggaact aacagatttg aggtcaaatac 180  
 ctcttcaagg ggaaggggat gatggaatcc tccctaggaa gggaccaatc actagaacaa 240  
 tgagcaagag gctccaagaa gattgggcta gagctgttga agaaggccct anggtttctca 300  
 tgaaccttan gatagaattc tgagcccatg ggccaagggt gggccaatt atctttgtac 360  
 atattagact angatgtcat tatanttggt ccttgtatat agggctccat att 413

<210> 14629  
 <211> 424  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14629

nanttttgtt gagcaganan anngganagg cacgggccag cnngcagcag agaggaacac 60

gaagcaacaa nccgnnnnnc caccgcaana gaancanccc caccnggcgg gaaccacgaa 120  
cccngngcgaa caaancngca gcgannccaa aagaaccaac cacaacacnn cnacagcacg 180  
gagaaacann gaangagggg agaagggcca cnacgcggaa aagccggngg gaggcagnga 240  
ccngcaccac nnggcagcaa cggaacaaga gagnagccnc caacgaaaca cnngacagca 300  
ccaaancgan gggcaaagca gccaccncgg agcggacccg gcngaagcac anggagaagg 360  
aacaacnacg ccacnncaac caacgggcca cgaaacncag agaacggaaa gcgaacagcc 420  
cacg 424

<210> 14630  
<211> 468  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14630

naaaggctat cttgacatcg tgatncacaa gaaccgggan nccncagagn cgacctgcgg 60  
gcaagcaagc nagnatgcta ataangtgac gcaggcnann naagggacgc gacaggagag 120  
natgcnagca caccacaca gaaagacaga nagacaaana aaaacacaca gagaaaggca 180  
cacanaggca aagagacaca cacaagaaca cggaggccag cgggagcaca gaggacgggg 240  
gaagcaaaaa gcaacgaacg ccgcggccgg ccgcagaaa gaaagagagg cgcccgcgcc 300  
acaaaaaaan ggacagagcc ccccgacaca ccaccncan gggggaggaa aagaacgacc 360  
ccccacaga gccacaaaca agcccccccc ggnggaaaca caganagaan ccgggcgcga 420  
aacagaggaa aaaacacaca ccggcggcga aaaagcagac cagggccg 468

<210> 14631  
<211> 430  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14631

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aaacaacnnc ccacagccac aaancacgca taaaccacc aaccccagna gccaacctn 120  
caacggagcn cacgnacgcc caagnnacc cnatccnca nccnncnaa caaccgggcg 180

cccancaaac gncccaagc cgccgcaaca nccaagcaag acaacancca accatcanga 240  
 accagcaaaa ccaagaaaac agcgcanagg aagaaaaccn gcccanaaaa cacaaccaa 300  
 naccgcaacn nnnctactc anatacccca gnaacattct cttntttcca atttgtttac 360  
 ccgtggatcg actcgaaaat ttactggngg cccagtaga taaatctaca ttgtgaccgg 420  
 tgggatctgn 430

<210> 14632  
 <211> 330  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14632

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 aaagatttaa ctgcgaacca tacagtgtgc aactcccttt tgcggaggcc accgtactcc 120  
 tgatgctggt cactaaggat acgccggatc cccacgtta ttgagaaacg cgataccgga 180  
 gaaccgactc gactgtaatg aagtcgggag tgattacgca cgtgatgtan ttcaccaca 240  
 cgtcgcccaa ggacgcgagt tatggatgtc aacagacttg attttatgtc cttgtatgct 300  
 tatactctca ccttttaatt ttctttgtgc 330

<210> 14633  
 <211> 503  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14633

aaaaaactgc tgtctagttc atttatgtac ngcagagtta ataaagcacc ggcgagggan 60  
 acagnagagc ggcacgcaag gcaggcaagc tttgttttca tggcaacca cacaagnac 120  
 ggagaggctc atgtgaatga gcctctcngc ccgcaccatc atgaacacat tgtctttcag 180  
 taccttctat tcttccaagg aaataactcc tccatacggg agaaactgac attgatgaat 240  
 aagaaccaca tcatcgctag tataatcatt acaatgggaa ggggaagata gaagccaccc 300  
 tatgaaggga ccaagtccta gagcaatgat tgcgacgctc caaaaataaa ggactatctc 360  
 tgtagataaa cgcccaaagg taacaggaac cgatggatat aaagctcaac catgcggcac 420

agtggcgcca gaaacctaga cattgaaact ggcattgactt ctgcaaggca cgtggcgag 480  
tctataccgt cggctggaca tcn 503

<210> 14634  
<211> 375  
<212> DNA  
<213> Glycine max

<400> 14634  
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tgtaacttc taatgtgtgc ttgaattgtc ctgtggaaat ttctggtaga acatttgtca 120  
ttgatctgat ttgtttgcc ttagactaaa ttgatgttat tctaggaatg gactgggtatc 180  
agagccggtc gaaacttttt gtttagagtc taacaaaagt aaaaatacaa tattatccat 240  
atcttctaatt tttcatcat ccaacacctt ttttcttttt ccatatgcat ctcttctct 300  
aaacctccta tgtcttgact tttcattatc ccatatcttt tttttgctgg tttgtttcac 360  
ttcatctcgt cggtg 375

<210> 14635  
<211> 403  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14635  
gcttattaca tggtctacct cacagaanac cgggaagggtc agattgngct tcgttctgaa 60  
ccgaaaccgt gagtcaagtt tggaagattc cgctccaatt gaaggggttc tctcgggtgtg 120  
gggtttcaac agagaaatac ggcgggttcgt ggtggctact attggctgtg gtgatgtaga 180  
agaagctttg gacgttggaa atatttttgg aagaaggaag gagacagaaa tggcgttttt 240  
ccaaggctac acgaatcaca aaggctgaca cactcaagtt cttctgctct cggaagga 300  
agcgtttctc acacgccgga tgtcgtatcg ccgatctcaa cggcatgtc gtccacaaat 360  
gtcttatgaa ccttcagacc aaatctcaag aggatccaac ggt 403

<210> 14636  
<211> 393  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14636

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tccttgacaa aatacatgan aatacaaaaa aaaaatccct actacaaaga ctactcaaaa 120  
tgccctgaaa tacaaggcta aaaccctata ctactagaat ggccaaaata caaagcccaa 180  
aagaaggaga aacctattct aatatttaca aagaagagtg gatccaacct tgacccatgg 240  
gctcaaaaat ctatcctaag gttcatgaga accctagggc cttctttatt agctctagcc 300  
caagcctctt ggagtcttct atccaatacc cttgnggggt aggattgcat cacctgtgta 360  
naggaagggtg gatatgtact tgtcgagaca aca 393

<210> 14637

<211> 97

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14637

tttctnattt tnatacnnga gncagcgact tgagctgagt ctattcttac ctgaaggatc 60  
tgtgaaccaa actcatttta aattatatct aacctaa 97

<210> 14638

<211> 283

<212> DNA

<213> Glycine max

<400> 14638

atcagactca tgagaggaaa cacacactcc atcacaatca tgcattctaa ccaaactcaa 60  
tacatacacg aattctcgca aaaggaccat agcgattcac tgcaatgtca tcacaatcaa 120  
gatgaactgt tccatatgct ccataacaag cataccaacg gatgacagaa tgcacaacta 180  
tataactata aacggaggcc agaactactc agaacaatgc gctataacta atatagtcac 240  
aatcctagag atcaacttga actgagcatt ctctcatct atc 283

<210> 14639

<211> 350

<212> DNA

<213> Glycine max  
 <223> unsure at all n locations  
 <400> 14639

ttcttagttt ttcaccntan aaaccttaat tnttgaaatt ataaataacc catggtggtg 60  
 aaaatccaaa gagaattgac agtcacttca acacaagttt gggcctttat ttcaactaac 120  
 aaaatgctaa taaaaccact caacaaaggt ggcaccctct actcttcttg gaacatggtg 180  
 caattgacaa tccaaagctt cgccacttgt aacttgggcc taaattcaaa tagcatggtt 240  
 aacacttggt aaagagtttc cttggccttc tttgttctag cccttggcat aagtcctcca 300  
 agtccttcta aaggttcctt gcccttggtt attgccatgt cctcatcaaa 350

<210> 14640  
 <211> 423  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14640

agcttttcta tctcaatcat ctctgtctat tgactaacia ttctaattgc aagttcacat 60  
 tcttgttctt tctttgtcta aaatacatac ttgctcaaac tcatgaaaag aaacacaaac 120  
 tccatcacaa tcatgcattc aaacaaaaat caattcatac accaattttc acaaaaagat 180  
 aaaagtgttt cactgcaata tcatcaaaat caagttaaac tgttccatat gcttcagaac 240  
 aagcatacca acaaatcaca gaaagtataa ctatataatt ataaacggaa accaaaatta 300  
 ctcanaacia tgtactaaaa ctaatatagt tataataaaa gagatcaaca gaatctgagc 360  
 atcctcctca tctatcaaat ggagaaacta gggaatcagt gagagcaaca acttctccgg 420  
 atg 423

<210> 14641  
 <211> 428  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14641

agctntaatt gctttcatgt catctgtaac ctttacaagt tcaacagttg gcttctccct 60  
 cacaataggc aagagagcac cctggacttg tgttgcattt gcaagctcct cgaggagtaga 120

atcaccagcc tacaataaaa caacagtttc acatgacaca caaacatctt tcatttcgac 180  
 cttcatcaga aatgaaaatg cctaccacaa tcaaaataga taatggaaca tctgaattac 240  
 cttaaccttg tgtgcccgtc ttgggaacac aaccaatttg gccttgtatg ttttcagcct 300  
 ctgcacatta gcttgacagac tttccaaaga acggttcttg cgacgatgat caacagcaat 360  
 acctatgggtt ggtgcaagct ttttgggaat ccttgctgcc tatggcataa tatanaaaat 420  
 acataata 428

<210> 14642  
 <211> 422  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14642

agcnnngatt atgtcttaat taatcacatg tnngncatca tcaaaaagag ggagaatgtg 60  
 aatgtatgta tacatgattt tgatgatgcc aaagaagaat caaacaaggc tgcttcaa 120  
 gataagcatt tgcttcaaga ataattcaag attgcttcaa caaacaagc cttgtttcaa 180  
 gattcactaa agaccaagtc ttgccttaaa acaaagtgtt ttcaagacat gcaaggctct 240  
 ggtaatcgat taccagaaga cagggttgag aaatagctgt tgaaaaaggt tttgaatttg 300  
 aattttcaac atgtaatcga ttaccatatg tctgtaatcg attaccagca acggaacttt 360  
 ggaaattcaa attcaaaagt cataaccctt canatataac ttgtgaatcg attacacaaa 420  
 ca 422

<210> 14643  
 <211> 408  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14643

aaagtttttt ttctttganc tcannaaaag gaacggcagg gaacagagac cgaggggtgcc 60  
 ggcagggttg tanntcttta acgngancc ggaggggcat gtccagtatc caccctccc 120  
 cgcagaacca ccaattagaa tgcgtaacac cgaatattcg gaccgctttc ctcacaacta 180  
 ttgggcagag gtagactacg tttactgtga aaactacat gaccacatga ctaatcagt 240

gacacaaaag aataataatt tttttgaaga ggcaagcaag atatgctctt caaaaaaaaa 300  
gagatttatg atgggagggg gctcccagga gtgggtaaca agacataata tacacccccg 360  
cggaaccttg ctcaaacata aaccctcccg agactcttcc attatgcc 408

<210> 14644  
<211> 365  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14644

ggcttgctat cttggttata aaagaaaccg tctgtgagtc atatgagaat ttttggttgt 60  
acaacatatg cattagttga tttaaggact aagctggatg ataaatttgt caaatgtgta 120  
tttattggct atgctactta gtcaaaggca tacagactgt ataaccact aactggcaag 180  
ataattgtca atagaaatgt tgtatttgat gaagatgcac gctgggtttg ggaggaatgt 240  
gaaatcagta aaagtgttta tcagaaatca gtcagttntg atggttcata ggaggtctca 300  
aatgtgccag aaaatgatca cactccaagc cctcattcaa cgccatcaag ccagggatca 360  
ttaac 365

<210> 14645  
<211> 402  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14645

agcttgntgt tctccattgc gctaaagatc gtgacaggta cgtttcattt cgtctacctg 60  
tggtgttcta ttgaatagct aggtttgttt ctggaacctt tggttaacct aaggaccttt 120  
tttggtttct ggtgcaagga ttgnngaact catggtgacc tgagacccat tgccgctgcc 180  
attgaatagc tgagtctcgc tgccattgtc ggtggtgagt ttgaggtaag cttcatgtct 240  
tcattgaaac tttgtgcttc cgcgtacgtg ctctttgtgc tcacttctct ttgaagcatg 300  
tntatgttcc catcgtaatt tgttcttatg aaaactagct ggtatagatt gtagttagtt 360  
ggtaattagt actactatac ggtttgaatg cacctattgg ta 402



<210> 14646  
 <211> 406  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14646

agctttgttt attgttatat ctgtccctca aacaaactct gcaacttagc atctgaagtc 60  
 tgggagcttt gagcagatgg gggtgttgat actggcgaag agggaaacacc agctgctctg 120  
 gacctgggtt tccttgccct tggaaaatta actatttggg cattcacatt ccaacatttc 180  
 cttttaatat aggccaagat aatgaccagc ctcaggctct tgtaagcagt aagagcatca 240  
 gatccaactc cccttgacct acacaagact ttgattaaag ctgggaagcc taggcaagaa 300  
 gagttgaact gggccataat gggtatccct gtgactaagc cataaactaa cctagctctg 360  
 tcaatattca agttcgaggt gtgggaggta ngagctangt tggagt 406

<210> 14647  
 <211> 391  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14647

agcttgagtt atgatttgaa tagagatcat cactaccaac aatgccttga agtaagactt 60  
 cattgggtgc ctgtgattta actgtgcaaa agtgaggaaa gaattcagag taaactccat 120  
 tatctttggc aaatttactt acacttgatg gatttttagt gattgagggg gcatgtaaca 180  
 agtaatgaag ataaagagga aaactaggat tagtagggga cttataagaa ggagaaccag 240  
 aaccaagaat ttttaaactc tcaccattac caatataaat ctgatctcat ccatcanagt 300  
 gaccaagctg atgaatattn tgtggttctc cagtcacatg gaatgaagct cccgagtcan 360  
 ggatccaggt tgaattagca ttgtccatga g 391

<210> 14648  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14648



tgtcttactg gtttagctcc atcctctaaa tttattcgat gcatacatgt ggatgggcta 120  
 ataccaggaa tgtccgccag ggtccagcct atagccttct tatgcttctt gagaattgac 180  
 aacaacttct cctcttggtc atcagcaagg gaggcagata taatcactgg aaaactcttg 240  
 ctatcatcca agtaagcgta ttttaaattt gatggcagag gcttcaattc tgggtgtggtc 300  
 cgctggacag tggtagaagg agatgggttc tcagccttta cctcataaag aaagtcagag 360  
 gtatgtgtac ttctgaaac atgggttagtc ctatctgact ctataaaaac aatctc 416

<210> 14652  
 <211> 409  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14652

ccccctcttt tccctgatct acaatgcatt gttctgagtc actgctacat gtgatttgat 60  
 ccatcttcaa tntattttatc taaaaaaaaa aattgggtttt ccaatgcaat ggttgatgt 120  
 gatatatgat ataatttgct cttcattcta attactccct ctctaaaaca aattaggcct 180  
 ggaaatataa tttcctgggt atatcttatt gaaaaagaac aattgtgagt ggctcttgt 240  
 tgatgcttgg ctatgttntc atataanggt gttgcttctt taattaaatt ctttttgtct 300  
 atctttcggg aagccatgtg agaatgtgtt ttatgctcga aaatgaatat cacatgcttc 360  
 tatggaacta anattgttgt ctagttagtc ctttggaat ctttgaata 409

<210> 14653  
 <211> 353  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14653

aaaaaaaaatg gggtttgaat taatattcca ctaaaaatga ccaattagat tcttttagcaa 60  
 aaattagttn tataataaag agtttttaca gtattcacta attagaaatc atgttagaaa 120  
 taattnttaa agtattttatt tcanagtaaa aagaaattac tagtactgta cataataaat 180  
 tntaattgat taatttacac ttactggta aaaaaatgcg tagagactac gggaacttgc 240  
 tttggaaaat gatgatacga atggatgaag acaaaattgg ggatgtttgg tgtaggtatg 300

aaatatcaaa ggtcaaaatc aaagttcacc aaaaaagaag tcgaaaacca aaa

353

<210> 14654  
<211> 423  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14654

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gaccaccgct ctttctttcc gcgatgctcc tctntatata cgcttgagtg ggtttatagc 120  
ctaaaccata cttccacga tttcctttgg catttatcaa gctagttatg ccgccgttgt 180  
ctttgcctaa acccattccg ggctcgtaac catttcccaa cataactcgg gccatcatta 240  
ttgctgcata gggcaggcaa ggctgccag agaaggagtc cacagaggaa atgctgacca 300  
cctcaaaaga ctggatagcg gtttctaacg attcttctgc ggcttcaca taaggcatag 360  
aggatgggca gctaccaag atgtcttctt cgctgaçac aatgaccaag tgcccttcca 420  
cca 423

<210> 14655  
<211> 267  
<212> DNA  
<213> Glycine max

<400> 14655

cttaatccga catcagtttt ttcttatttt tcacatgaat atgaagctct cagatgctga 60  
tggtcatctt cgcaccacgc gaaggatgat cgacgaaatg gagagtccgc agaggaactc 120  
actagatcag gtacttcttg attatcagga tgcagctgag cgcttgccgt acttgaaaac 180  
aacctctctt ctttttgtcc tctcatggcg aacggtgggg gtatatacta aatttaacat 240  
ccagtgagca tgagtccttg acctttc 267

<210> 14656  
<211> 366  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14656

agctttgtat gttcttatnc caccattatc catagtagaa tactggtgat gtgtctacta 60  
 tcattgtcat cgcttttttg tcattgaggt gccactatga gctgccatgt tctccacctt 120  
 tgggcgtatt ctttgacaga atagtgcctt ctttttgcac atgtactgta gttgcatcct 180  
 atccgaagac attatactga cactgcctaa cgaaggaaac cactatgtcc tttcaagaat 240  
 ggactccgga aggttccaag ttagtgtacc atgtaacagc taccagtaa gactttcttg 300  
 gaaggaatgt atcaataatt tcttatcttt tgcgcagtct cccatcttgc cataagtcac 360  
 ctttag 366

<210> 14657  
 <211> 423  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14657

actaagctnn caagaatgac atatgtttat gcaaagtgtg atatgtaaga attttttcta 60  
 gtgcagcaat atatattcaa ggatgtagca atgctaagat atatttagtt atgtgacctt 120  
 cgcaataagt ggaccataac ataatagaat aaaaaatatt gatgtgtgat agagcatttt 180  
 tagtttatta ttttcatatt cttcttaggt tatttaacct ttttttactc ttattttctc 240  
 accttaattc aattttgggtc ttatgcaa attagactt acacaactca aaatgaatca 300  
 tatgagtagt acctagaaag ctaaggaaaa gagctcgaat tttatcggtt atgagtttgg 360  
 gcgaattcta ctttttttat gggtattctg ggcttacaag tcagcgcctc tatacttggc 420  
 ttt 423

<210> 14658  
 <211> 408  
 <212> DNA  
 <213> Glycine max

<400> 14658

tacaagccct agaggcagag cttgtagatc ccgtgattca aagagaagtt caagtccata 60  
 gcggtcaatg tctgaaaaga gtatgattaa ctaatggacg tcaatatggc cacagccgat 120  
 gccttggaac gagaaaccat gatggcccca gaggaagaac acgaacagag cacagttgtg 180  
 aggggcttta tatggcagca atagttagct caagctctga agaggtgaaa gggatcatca 240

cggggtcatat gcatgatctt gaaggacgag ctaaaggctc gccttatgtc gaacagaaat 300  
 ttgtcccaac agttaagcta gactgaaggg aatatgtggg ccattatcga tgagtgcata 360  
 gagaagctaa atctagcggc gactcacgag caaaggctag aggatgag 408

<210> 14659  
 <211> 324  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14659

agcttttcta ctattgccac tctactcagg aattcgtgag ggatatgttg acgaggaaca 60  
 ccactgcttc ctccaggaga atgttggtgt ggaaagcaac tacagtgttg taatacagac 120  
 aattcttccg ccaacacgta atgaccctgg aagtgttact attccttggt caatcagaga 180  
 agtcactgtg ggaaaggatc acattgattt gggagcagta tcaacctaat accactctct 240  
 atgtgtataa tggtgtgaga gcttggaatc atgcccacga gaatgactnt acaacttgct 300  
 gaccgatcca tctcaagacc ttac 324

<210> 14660  
 <211> 207  
 <212> DNA  
 <213> Glycine max

<400> 14660

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 tctactgaca aagagaggcc gccagagacg ccaccattgt gcggagtaag cttttaccat 120  
 gtgcctatatt atgtaaacaa catgtatata ttggtagtag ttcacgtca cgcaaccacc 180  
 ctctgcaata atgtgtcaac atggata 207

<210> 14661  
 <211> 375  
 <212> DNA  
 <213> Glycine max

<400> 14661

agcttgaatg ttctataaga tgagtggaga acaaaaacta cccctaatac aaaaactagt 60

ctacgtgccc taaaatacaa gggctgaaga tcttacatta caaggggtatc ctaaacttgt 120  
 ggggtaccct ccctacatta tggagcacta aatacaaggc ccaaaaaaat aatgaaaccc 180  
 taatctaata tatacaaaga taagtgggat cataacttagc ccataagccc aaaatctatc 240  
 ctaacgctca tgagaaccct atgggtcttct cctgcatctc tagcccaatc ttcttggagt 300  
 cttctattca atgcccttgg agggtaggat agcatcatta ggggtgccta aaagcaagat 360  
 attcactatg gtact 375

<210> 14662  
 <211> 521  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14662

naggacgaga cttgaaaact tgcagntacn tacgagacac cacnnannaa tacaagcacg 60  
 cgagcanntg acgttagctc actataagag tactanggae tatgtatcat ttttactctc 120  
 naaacnactg cctgtctgga atgactctga tgggcctact tacaagggct ataccanagg 180  
 aagccgatga aactctctca catgtgctgc tcaaactatt tgaatacaag gcctggcttc 240  
 atcaagaaac gaccaatgtt tacttgtatc atggccctca tggacgatga ctaaattggcc 300  
 ccccttcgtc tcaatataac aatgaaaagg ttgtctaaat attggcccag ttcttgtcca 360  
 atggggagac cataaaaatg ttctgtgtta atcaagtaaa caggctttat tattgttact 420  
 tctagaataa gtatggcaca atttatacac aaagctcttt ctttcggaca ccaatcgttg 480  
 taactagggg ctaggggggtg gacaaaaaca cggcacattc n 521

<210> 14663  
 <211> 389  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14663

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 ggaagctgtt ctgagagctt gagatgagtt tgtgagtggg tgtgagatcc tagaggtgaa 120  
 tgagacatcc tcaccacttg tattttttgca atctttcacc tggttcttct ctctattgta 180

aaggaggctt cctggttatg gaaagctaan atcctctgtt ggatcttccc tgtaggtact 240  
 taatgtaaat atctttctat ctatataatg atgtgttatg tgttctctgt gctatctgct 300  
 cttcattcta gtatgccttt accttgatca cgtagatgca tgctttgttc gggtcattca 360  
 cacaatgaaa ctggccttat tctgatgac 389

<210> 14664  
 <211> 462  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14664

acacataaaa ctcagcttaa cgaccacact aatccacaca ttganccatt ttcttttgat 60  
 cccacttaca ttcgacgttc tggaacattg cacaactaca cgcttgacac agtgcttgta 120  
 cagagctcat ctccccgca gcacaaaaca aattagttgg aaaaatgaaa taactgtgtt 180  
 aagctagacc taaaaacgta caagaagaac tgtcgtttgt ttcactaact aaatcaaata 240  
 acatgttttt gtagcttata tatatcatta agaaaccagt caacagtacc tgaaggaagt 300  
 gaattgtctt ttaatcgagt cagaaaccag tatatatcat ttaagatatg taagagagt 360  
 ttgtcttttc agacaaatga agcattagcg aagcanagac acatcatcat gttgtgcatg 420  
 tggaggtggc gggagctgaa ctgcgtattc attatatgtg gg 462

<210> 14665  
 <211> 455  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14665

cgccagattg ctatacatgg attctggtat tgtgccattc tatttattat gatagatgtc 60  
 aaggtttgct aagtgtatgg tactcaagta tgaaactagg caatccgcca gtgaagacat 120  
 tgagatctaa agcaagatga gttaaggcaa ggcattccag aaacatattc ttacatgcga 180  
 atccaactac gaattagttc agccagggtt tgttgatatt acgcatagag gtaaagttaa 240  
 atataggaaa aatataacta tatggtgtgg tccacgtccg ctgtggtatg tagtgattat 300  
 aattgaattc cttgtttttt aaaccaccat aatgaaggtc tttggttctc tgacggcaca 360



atgactccaa tttccatgca tgaagatcaa tgcactagta gggtcatggc actaagatac 420  
 aanaaaaaaa acaaagagtc tatcatttta cttca 455

<210> 14666  
 <211> 469  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14666

gcttataaga acattattgc ctcaatcatt tccaaatatg catgtgaatt atgaagcatc 60  
 aacaagaatc aagccaaggc tattgtgcaa gcaatcaatg gggcaaaaca caccaaatac 120  
 ttatgatgat ggatggctca nattctcaca aaggtaaact catcactttc aaattgagct 180  
 ctcaaaacta tcatgacatg taaaggagaa tcaaggattt caagtcacaa aatgtcaaga 240  
 acttttattt tcaaaacaat taccattttc ttgaacatat cctataattc anagaanaac 300  
 atgcaaagtc gtacatgcac acagaattga ccanaatat taaactagaa atccgacgaa 360  
 actaacaaca ttaacaaatt aacacaacta acaaatatc aaaaccaaca aaacttgtaa 420  
 aaccaaagaa cacttcccn ccccatatc taaacaacac attgtcctc 469

<210> 14667  
 <211> 410  
 <212> DNA  
 <213> Glycine max

<400> 14667

gccctatagt gagtcgtatt acaattcact ggccgtcggt ttacaacgtc gtgactggga 60  
 aaaccctgtc gttacgcaac ttaatccccct tgcagcacat ccccttttcg ccagctggcg 120  
 taatagcgaa gagggccgca cccatcgccc ttcccaacag gtgcgcagcc tgaatggcga 180  
 atggcgccctg atgcggcatt tactccttac acatgggtgc ggtagggtggc accatatacc 240  
 gcgcactcgt aggccaatct gctctgatcc cgatatattat acccagactt atggccgcct 300  
 ataaaaacga cgactcgaaa gcgttgaga cccatttgaa tcacctctgt gacctatgat 360  
 attggaatga tcagcgggaa aaaaaaacct attgcctact tagccattcg 410

<210> 14668  
 <211> 427

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14668  
  
 agcttctccc tcaatttcct ataaataggg ggagaagtga agtgaataag ggttcacccc 60  
 cttaggcact tctctctctt cgaattgcat ggaaaaatat ttccgtgatg aaaatctaag 120  
 ccgaggcgct tccgaaacgt ttccgtaatg ttccgtgag gaatttcgca naggtttcga 180  
 ccgttcttcg acgttcttca ttcgttcttc atcgttcttc gatcttcaac gggtaagtac 240  
 ctcgaaccaa gcttttcgat tcattctatg taccctgggt ggtccacatt gtgtttcgtg 300  
 tatttttatt ctggttttat ttactttgta taccctcttt tgacgtgctt aagtcanttt 360  
 atttaagtca tttctcgctt aaactaaaaa taaaataaat ttccaccgat cgtttgaatt 420  
 gtattat 427

<210> 14669  
 <211> 405  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14669  
  
 ntgacttcgc tcaccactaa ctactagggg attcctcatg cttactctct aaactactcc 60  
 actaatggaa tcattctcatg gttcacttaa aaatatatta ctagagggtg aggatcaaag 120  
 tcctacacat ttctaactca ccttggtcga aacaagggtt tgacatcatc tcacaacaac 180  
 atgtgtattc ttgacaagaa catctcatat tcctaatca acacaacaac atcctactaa 240  
 agaaacatat gaaatggaat caaatatctt aaaattgatt tccaccaatg aggaagtaat 300  
 aaaaatagtc attgagaata aggaaatcac tatatgtttt tttcatcttt agaaataagt 360  
 tctcacagaa tttatagaaa agtactttat acatcacaac taact 405

<210> 14670  
 <211> 434  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14670

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 cctaagttat cttttccatt attcaatata aaacatttac aaccaaagat ataaagatgt 120  
 gagatgtttg gttttctgcc attgaacaat tcatatggag ttntctttaa aatgggtctt 180  
 attaaagccc tatttaaaat gtagcatgca gtgttaacgg cttcagccca aaagtatttt 240  
 ggaagaggag tatcatttaa taaagttcta gcaatctctt ccaaagatct atttttcctt 300  
 tctacaacac ccatttggtg agggtttctt agtgcagaaa agttatgctc aatcccatgc 360  
 ttatcacaaa ataattcaaa ttctttattt tcaaactcac ccccatgatc gctcctaata 420  
 gatataatct ttag 434

<210> 14671  
 <211> 438  
 <212> DNA  
 <213> Glycine max

<400> 14671  
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 aaggagaaat ggaagaaaac gcataacata gaacacaaaa taaaagatta agaaataatt 120  
 tagaaaatcc ccaacaaatc gaaatggaag aaaacgcata acacggggag ggaaaacaaa 180  
 gaaagcgcca tcaaggtaga agaaggatca tgaacacca aacaattaac caaaaaaat 240  
 cgcacctgtt gtgataaaaa tctctgcttt ttttgagata aaaatcaaag ctttagtgtg 300  
 ttctttgggc ttctatgoga aacaaagtat gagaaggatc atgaacacc aaacaattaa 360  
 tcaaaaaaat taagctttga aagaactaca aagaaaacac acctattgtg ataaaaatcg 420  
 ttgttttttt ttaaagat 438

<210> 14672  
 <211> 434  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14672

agcttcctct acatccaagc aaaacaacat tcaaacagca caagctatca cagccaagca 60  
 naacagagca aaggcagaga actctgccaa aacaccaacc aatcacagc tgttctcact 120  
 tagagacccc agtaacaatt ccttcgttcc aattcgtaa ccgttggatc gactccaaaa 180

ttntactgga agtctatagt acataagcct atattttgac cgttgggatc tactagcaaa 240  
tatccagaac tcattctgca ctgctctttc cacagccaac cacacacaag catttttctg 300  
cacaagccaa aatcctgctg cacctatttc acagcaaaaa tctgcacaaa gtgcagattt 360  
cgaaaatcac acttcccctc atccaatctt gcccaaatca attcctacaa gtaccaaadc 420  
atgtatcaat catg 434

<210> 14673  
<211> 500  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14673

naacctggtg nngcctanng ttengaant agnnnannnn ngtcgagnan cnatatngng 60  
ataataanaa tagagataa agtnttgngg tatttatatc taactgtcta tanggggagg 120  
atcgttgagc ctataatacc aaccatanca atcaatggat taatttngta ttaaagnaag 180  
aaaaggtaga acatantact tttttggtgt aaagatatac gagatgtatg gaaagtgaag 240  
gggaaaatgg agaatcctga cgcttgctaa acggattggg cgagcaagtg agagtgaaaa 300  
cagatatgat gaagcattgt gtcattatat tgacacacat gaggcaatta ggggtgccct 360  
aacgggaaaag aaatgaggtg atctatgata aacggacaga tacctaactc cgatgtatcg 420  
agagcattga cttcaaaaaa aaaggagaa tctacatgtc gatcggagac cataactaac 480  
agaacggttt ctgattcacg 500

<210> 14674  
<211> 389  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14674

agctnttata ttatgtngac ctcgagtgtg tatgggttgt ctccatggt tcaatcgtac 60  
gtagcttggtg tcttcttcac agatagggca tgcacgatgg cccttaacac tgcattcact 120  
caaattcttg tatgctggan agtcattaat ggtagaaaat aacattgcac acaatgtgaa 180  
tgtctcattt cgatacccat caaacacaac aacttccttg tcctacaact ctgtcaaggg 240

ttcaatcaaa ggactgagat aaacatcata gacaacatca attattttta cttcatgcac 300  
 taccaaggag gtaagttgta aattactagc anaacaagtc acaaactatg ctgagttctt 360  
 anatngtcat agggattcat tccatcact 389

<210> 14675  
 <211> 421  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14675

agtggctgaa gaaacacgtc attgctcgtc gtggctaaga gtgaaacaca atagacagca 60  
 ttatacatgc aagcccatc tgacttagtt tcatgaacta ccaacatata aggtctggca 120  
 gtgaaaacct atctataaag actaatacac actgtctcga tcgataatct atgaacatct 180  
 agaaagcttg ctattggaga taatgcaacc gccaatggtc tagaccacat caaggagagc 240  
 aaatattaac ttacacaacc ttgagaaagt ctatgtntan aagagaacaa ttggacagag 300  
 tctatagtc gccttttttt ttttttgata atcatagtgt cttcacgga agaaacgaag 360  
 tggaaactca tccttaaact gtggtagtaa aaccacatta aactcaaaac catactcgac 420  
 t 421

<210> 14676  
 <211> 435  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14676

tctagttaaa ttgattacca attattttgt ttcgattaca tagnnnaggn gagaccatgt 60  
 gttttcatga gtctctatct taatccatta tcaggtgatc gtaatcgatt actatgttct 120  
 tgaaagtatt ccaaggagt atcaagaaca ctttaatcaa ttaaatcaag aatctaattg 180  
 attatattat tcttgatagc tttctagatt ttgggaagaa cactttaatc gattaaaatg 240  
 ggaatctaatt tgattacttc ttcgagataa tcgattacct tggcaatcta atcgattaca 300  
 agcagttata attgttcttt ataaatagtc acctgtgttt ttcactttga catgatttga 360  
 ataagtgttg taaaatgagc atttgcaact cactcactct agtcttcggt tctaaagcat 420

tcatggntaa agtga

435

<210> 14677  
<211> 392  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14677

agcttggttat tgtttcacga aagctctcga gaaattcaga tggtcataac tnttcatacg 60  
gaagtctgat tcaggtgcat aatataatcga gaagctcgaa attgaagcac ggaagctctc 120  
gagaaattga aatgatcata acttatgaca cggaagtcca attcagggcg ataatatatc 180  
aagacgctcg aaattgcaca acggaagctc tccagaaatt caaattgtca taactcttca 240  
aacggaagtc agattaaggt gcataatata tcgagaagct tgaaattgaa caacgtaagc 300  
tctcaagata ttcaaattggt cataactggt cacaacggag tccgattctg acgcataata 360  
taccgagacg ctcgaaattg aacaacggaa gc 392

<210> 14678  
<211> 447  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14678

cagctnctgc tgctctgct tcttggttag tctctctgc ttctgcaatg gcagctgctg 60  
cttcagcaac tgctcgagca gcaaattgcag ctgctcttg tggagtcata gaccttatct 120  
tttctaactc taaatctatc tgagatctag taaggatggt ggtctcatcc ctgtcaattt 180  
tcatagaggc tttatgcctc ccttccaaat ataacacaga tgagtttctt cttctgtcag 240  
aatatgctgc tatagggtgca attctatact tgcgatttac ctgaaatacc aaagtcagcc 300  
ctaaagtaag atctctaata gaaacaactt aatataactc ccaactcaaaa tgagaacatt 360  
cagaatactt gtcaagctca cgtaaaacca aatgactaat aacattaaat caagacagtg 420  
gagttcctga aattatatta tataaaa 447

<210> 14679  
<211> 377

<212> DNA  
 <213> Glycine max  
 <400> 14679

ctaacacatc tattcaacac ttgttgatcc cataagagtt accaatgtcg cgtatagtgt 60  
 aatgcaatgt attagttgag attcactaat aaagttttca gcaccaggtg aatatgtttt 120  
 agtcacatct ttagctttct tttctttttt gccagacaga aattattata aacacacatg 180  
 tggaaaaaga agtggaaaca agttgtatag atattttcac ctcaacacta tttttggttt 240  
 tatkctaata tttatcacc cttacttcat tagaaaatta taagaattat aattaattac 300  
 caaattaaaa caattactaa tttattgtac taaatattct tacttcaata gattacaata 360  
 ataactttca tttttaa 377

<210> 14680  
 <211> 361  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14680

tctccaccgn cgncaccatc atcttaaaat tttattttta tattatgagn acnnngatnn 60  
 ggagccttgt attttggcta tattactatc gtattngaac aatntactat tttcctattt 120  
 tgcattgtat gtttgaacaa atattaagtt tgttgataga ctatatgggt tgtatagtta 180  
 atctatttat gaatgttgct tcatgatact tgcttcatgg attgggttgtt agtttcttaa 240  
 tgaatgccgt atggatgttt aattatttca aattttttac gcaatttggc tttttgttga 300  
 tgccaaaggg ggagagaaat gggattaaat caagaactca catgagtaat caacttaatt 360  
 t 361

<210> 14681  
 <211> 322  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14681

agcttggtat tttggaagan aagaataccg caagtaggcg agatgatgaa tgacagccaa 60  
 cacaatacga atgaattgaa agcctcatat tcaaaaactt accgattgat gaccgaagaa 120

cgaacgaaca acggcgaaga atggcggaaa atcttcatgg aatcgctcat ggaaatgtct 180  
 cggaagcggt acggaagcac ctcgacttgg atttccttcc ttgttaact tcttttcgct 240  
 aaacaaaact aaaatacaca gcatagaggt cagggggcct tgaaactcag cctcctcccc 300  
 ctatttatag gagataatgg ga 322

<210> 14682  
 <211> 435  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14682

gcatcctgat actactgtnt gtttatgtga aatctaactg gaagtgcggt gggtcgtcga 60  
 gtaaataatt aaaacagtgt gaatcgagta tcgaactcag ggaacttggt ttacatggaa 120  
 aagcatcatt cagtaaatat gaatttacgt aaagaattga ttatcatgaa gtaaaaatag 180  
 aagtaattct attctaagta gaagcagtaa ttgtgagcaa gtgagtgtga aacagatat 240  
 gtaaaagcat tgggtcattc tactgagata cttgatgcaa ttagggtttt tctctacttg 300  
 aaattattta tgtgttctat gatgaaggga caaataccaa acaccgatgt ctcgcgagtn 360  
 tggcctaatt caaataaact tcgttctcaa atgtctgttg ttgaacttag cctaacagaa 420  
 caacattaca attac 435

<210> 14683  
 <211> 169  
 <212> DNA  
 <213> Glycine max  
 <400> 14683

cactatccat gttcacacat tattgcagca tgtggttatg tgagcatgat ctactaccaa 60  
 tatatagatg ttgtttacac caatgaacac atcttatgag catactccgc acagtgggtg 120  
 cctcttgaga atgaagcggc aattcctcct tctgatgagg catggacac 169

<210> 14684  
 <211> 465  
 <212> DNA  
 <213> Glycine max



<400> 14684

actccgcttc aggttgctaa ttgctccagg ttgctgcacg gaaggctaata gtctgtatgg 60  
tggtcagcag aggagcacag accacaaacc cttgcgacag gtacagattt ctgattcaag 120  
gccagctggg ttaccaagtt gaccaacgca tccagtttgc cttcaagctt cttagtttca 180  
gatgatgcag atgggtttgt agctacctca tgcactcctc taatgactat ggcattcattt 240  
ctggcgctaa actgctggga gttggaggcc atctttctca ttaaatttct ggcttcagca 300  
ggggtcatgt ctccaagggc tcaaccactg gcagcatcta tcatacttct ctccatatta 360  
ctgagtcctt cataaaaaata ttggagaaga agctgttctg aaatctgatg gtggggggcaa 420  
ctgacacata gtttcttaaa tctctcccag tactcataca ggctc 465

<210> 14685

<211> 398

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14685

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aataatcttg gaagtcattg cttccacatc taagtctatt ctatacatgc cttgaaatgt 120  
catgtatgtc tgtcatttgt aacatataag agaaagaaca acatgataaa aatgacagaa 180  
aatgaacgaa aaaagagtta ctttttgttg atattgcacc tccaattgca catccactca 240  
acaaagcaac catttatnt cttccccaat cttttttatt tattttctga ttagaaaaaa 300  
aactaaggaa ctatagtaga acaaagccta gataataata ataataataa taataatgaa 360  
acaaaaccaa aataattccc aagttttctt ccctaatac 398

<210> 14686

<211> 329

<212> DNA

<213> Glycine max

<400> 14686

gcacatgggt cgcgtgtatg atatccactc gatatgtttt atttttatga gaccttcaat 60  
cctataaggc atcgtgacag acaaaagtgg gtacttaact cgaatggcca ttattgtcaa 120  
tgcggaaggt attccgcgt acactatcca tgtacacaca tgattgcagc ttgcggatac 180

gtaagcatga actactacca ctatatagat gttgactaca catatgagca cctcttagaa 240  
gcatactccg aacagtgggtg gcctctgggg aatgaagcga gaattcctcc ttctgatgat 300  
gcatggacac ttatgcgtgt cgcagatac 329

<210> 14687  
<211> 331  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 14687

caaacgtctc gatatattat gcgcccgaat cggacatccg tgtgaaaaat tatgaccaat 60  
agaatttcta gagagcttcc gttgttcatt ctgtagagcc tctatattgt atgcgcttgt 120  
atcggacatc tgagttaaaa gttatgacca tttgaatttc tcaacagctt ccgttgcaa 180  
attntgagca tctcgatatg tgattcgcgt gaatcagaca tccatgtgaa aaggtatgac 240  
catctgaatt tctcaagagc ttccgttggt caattatgag cgtcacgata tgtgattcgc 300  
ccgaatcgga cagtcgtggt gaaagtattg a 331

<210> 14688  
<211> 416  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 14688

cgatatatta tgcaccttaa tcggactacc gtgtgttatg tttgaccatt ntaatttctc 60  
aagagctggc gttgttcaat tccgagcttc tcgatatatt atgcacctga atcagacttc 120  
cgtttgaaaa gttttgacca tttgaatctc tcgagagctt ccgttgttct atttcgaggg 180  
tctcgatata ttatgcgcct gaatcggact tccgtgtgat aagttatgac catttgaatc 240  
tctcgagagc ttccgttatg caatttcaag cttctggatc tattatgcac ccgaatcaga 300  
cttccatttg aaaagtattg accatgtgaa tctctcgaga gctttcgtcg ttcaattttg 360  
agcgtctcgg tatattatgc gcctgaatcg gacttccgtg tgacaagtac tgacca 416

<210> 14689  
<211> 435

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14689

g ttgaggaa tcaaactctg gaggtgctg catgtagact tcttcttgta gaatgccatg 60  
gagaaagaca ttgttcacat ccagctgctg tatgggccag tgataggtga cagccaaagt 120  
gagaagaagt ctaacagtaa taggcttaat aactggtgaa taagtttctt gaaatctgtg 180  
tcatattgct tgagggcaag gttgattgag gctgtgattt anatgaagag gaagagggaa 240  
agaggtcata nggaaatctg gactcattga acaccacatc cttagatatg tagattctgc 300  
cttcagaaga aagacattag tagcctttgt gcgtaggaga atatcccaga aaatgcattc 360  
ttgagactga attggagttt attcttcttg tangagagga anacaactag gaagtctatt 420  
aattaaatag acact 435

<210> 14690  
<211> 414  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14690

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gtaatcaatg acataccttg tgtaatcaat tatagccttt cacaatcaaa ttcaaaattt 120  
gtcaaactgt ttcaaaattc aatttggcca ctggtaatcg atcagagaga aaatatcata 180  
tttttgaaat ctcaaaaga ttttgtaaaa tctcctttat ccaaacctgt gttgcatcag 240  
attaacgaat ctatctaaga tcctatgaac taagtacatc attcttcttg aatctctgga 300  
ttcttgactt gaattgcgct catctctggc atcatcgaaa cttcacatca tatatgcttc 360  
cacactggta gcaaccataa tgtcaacctt acattcaaga gtcagtgtta tatt 414

<210> 14691  
<211> 405  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14691

acacatagaa actcagcttc tgtcacctcc tccttacaaa gtnnntgaac acatgttttg 60  
aaggctcata aattgcacat accttaagtc ctcatgaaca ttcctacct caaacctctc 120  
catcacctcc ctagctactc cctcagcatt ggccacaccc tcccctacaa taactgtgtt 180  
tttcctctc accaactcac tcagcacact agttacatca ttattgttaa catgggtctaa 240  
attacgcttc gtgaaggagc cagcagcaac ttgacaaaaa ggtccagatg atggagacac 300  
attattacta ccaccaagaa caacatgatg gtgcttggtg atattntctt tggcatggct 360  
cctatcagaa gaagccttnt gtgaacaagc ttccattgaa acagc 405

<210> 14692  
<211> 454  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 14692

agcttgtttg attatggtgt acccgacata tgtgggggga ggtgtggatc gggcaatggt 60  
gcaagtcnac tctccacatc cacaaatcac acataaatcc accatcccta gttgcccacc 120  
ttcaactgag ctacgtact cccacgtagc ccttatectc gttcctctca acaccgggtc 180  
cgcacatc catccaagca ttcacaacat ccaagcaatt caacatgcaa acatcatgaa 240  
ctatccaaac caagagaata gggccgaggc aganaactct gcccaaaaca cattccaata 300  
ccacagtgtt cctcactcaa ataccccgat aacattctct tcgttgatgat ttgctaaccg 360  
ttggatcgac tctaaaattn tactggaggt nctagtaca taagtctaca tgttgaccgt 420  
tgggatctgg ctataaacgt ccataacca atat 454

<210> 14693  
<211> 454  
<212> DNA  
<213> Glycine max  
<400> 14693

ctagaaaaca taccatcaag gcaaagcatg atcaagaggg aaatcatttt tagcgggcag 60  
tatctctagc acctctctca ataggaaaat taaagtgtta atgcacactc caactctatg 120  
taacacctac aaagagaaaa agttaacaaa tgcaatcaaa gataactata taaaaagcat 180  
tcatggatga atttagttac ttctcattt tctttctctg cttttgatat cactagcttt 240

aaggaagcac ttaattaaga caaaagtatg cttatcagtt atgacaatat ttcttgcaac 300  
 taaaatagag aatccatggt tccccctca cgtaattcat gtcaaaacat tctaaaatat 360  
 ttagtggttaa aaagcttaat atcatgtgaa aattatatcg tgaatacgat cttatatata 420  
 aggggtgtgt cccagtgtca cttgaatcct atat 454

<210> 14694  
 <211> 450  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14694

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 ataaaccata gagtctggcg acaggtgcaa atttttgatt catggccagt tgggttacca 120  
 ggttaaccaa ggcattctatt ttaccttcaa gcttcttagt ctcggctgat gaagatgaat 180  
 tcgtgggtac ttcatgcaat cctctaata caatagcctc acttctggcc gtggctcctgg 240  
 aagcaaggaa atttttttct aagaatactc tcttgaggtc atccanctc gtgatagacc 300  
 gtggagcaag gtaataaagc cagtcctttg ccactccctc taaagaatga ggaaaagcct 360  
 ttagaaatat gtgatectcc tgcacatcta ggggtttcat ggtggagcag acaatatgga 420  
 attctttcag atgtttgtat gggctcttcac 450

<210> 14695  
 <211> 435  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14695

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 cggaagcgcc tcggcttaga ttttcttcac ggaaacagtn tttccaagca aattcgaaag 180  
 agagaaaagt gcctcagggc tgaaccctt cttcttgca ttctccctt atttatagca 240  
 aaatagggga ggtggttgcc gccagctcg cccaggcgag ctgagctcg ccaggcgagc 300  
 aggggtgctt cctccagaag caaccgctt ctggaggaat attccagagg gcccaagtgg 360

553401-553450

gcctgggtgc tatttgcacc cccatatata ctangtacac cncctctgc tgtttttggg 420  
attctttttc gtaag 435

<210> 14696  
<211> 409  
<212> DNA  
<213> Glycine max  
  
<400> 14696

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ttttggaatc caagctaatt tctctgggat gacgaggcga tttttataat aaagtacccc 180  
ttgtctatat acaaateccag cattgatctt ctccccctgt cctttgttca cttcttcgat 240  
tattgttctt aacttctcat ctgtgtgcac ctcatcattg atttcttgcc aatccaacca 300  
taccgggaag taaatcacat tgctcagttt catttcatct ctactacggg acaaatecatc 360  
agcttgtctg tctcctttcc agcttataaa tatctcaaat tatacccta 409

<210> 14697  
<211> 407  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 14697

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attcaaattc gttctactct tgtttttgaa gttcatgtta ttgaaaataa gttattgtat 120  
cttgaccag catgttaatt ataaattgca ttaattatct caatgtatct atttggtaaa 180  
taactgtata gtgtatgcat gtntgaatta actcttttat ttaatagaaa atatagcaga 240  
aatatatgaa catttttttaa cagaagagtg tatgttgaat acaatatata tgaatgcaca 300  
tatttgcacg ccacttngat ttagttttcc ttacatacat acatgatata gtgtgagtggt 360  
cgtaacatga gtaaaacaaa aaacaatgtc ttttttttta atcatgt 407

<210> 14698  
<211> 384  
<212> DNA

<213> Glycine max

<400> 14698

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tctctatctg ggtatcccgga ttggttcata cccaaggggc tcaaagctgt gggatcctat 180  
tgtcaaaaaa tgtgagagga aattggtgaa atgaaaacaa aaattatctt ttgggggaag 240  
ggttacactc ttaaagtctg tcctaaatac tattgcgata tactatcttc tgtttttcag 300  
ggctcctgca agcattctgt atagactgtt catggcacac gagtgggttt ttgtgggtgg 360  
aagggcatat cgtatcatta tatt 384

<210> 14699

<211> 374

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14699

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gcaacatgtt atccctctc tcaaacaatc catgcacatt tctttctcaa tggaacacca 120  
ttcccacact aaatcttcaa cctatcaatc caattggaat tctcaaatac aactgttcta 180  
aataatcata ttgcgcaaga atcttagaat gtgggttttag gcctaactca accccaaaag 240  
ctagctcata cgatgagggt tgccccact tatatactct atattggcct tatccctagc 300  
taatgtggga cttgtgtnt tcacaataca ccnctcatg cccaacactt ttgagcttgg 360  
tgcggtgata atat 374

<210> 14700

<211> 182

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14700

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acatatgccca tgcttgctgt tcaaagtaga ctatgaaaga gcataccact ccgtctcgtg 180  
gg 182

<210> 14701  
<211> 342  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14701

ttcatctttt catccctctc ccttgccaaa agaattccca aggactactg atgcaaccta 60  
ccccgcaggg cattggataa agaccagta gaatgggcca agatgcaaga gaagccctag 120  
gttcttatga ccttatggta gatttcggcc catgggataa tacgagcca ctatctttga 180  
aatatagata aggttcatta tttggcctgg atttaggctc atatgaggag ggaccctaaa 240  
ataangattt tcacccttgt atttagggcc ctaacagttt tgtatanggg agtttgtaat 300  
tacatgcact agtggatatt gatgggtggg ggaaaaaatt aa 342

<210> 14702  
<211> 294  
<212> DNA  
<213> Glycine max

<400> 14702  
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taagttctga atcgcacaaat gtaacagttg ggctaagctc ggcagttgga ctaaacgcat 120  
atccaccgtt aagcgcagct tcagagcgct caccgcatag gagaatctag caaagcatga 180  
acatcaaate cgcgcactaa gtgccagatc attgcgctaa tcgcataaag agcctttagc 240  
caggctaagc ttgagactgg cgctaagccc tatttcactt actcacgcta aaca 294

<210> 14703  
<211> 373  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14703

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gagatcgaag tactatggag aggctgagaa aatgctcaga ggaagtataa tggtaactgc 120  
 ctaaggcagt cgccttattt gatggcagat tcgaatgact cgctgagcgc atggacacgc 180  
 taagcccaat acaaaactat gaaattccat agaagttttt ggtcttagcg cgaaggtaca 240  
 cgttgggtga gatctgcac tgtgataggt cttgcaactc tcgcttagca agccgcagcc 300  
 actctgagcg aataaaatgc tccttanatg cagtagtgga ctgtgcgtaa tgcacgtgc 360  
 tctcttaacg cta 373

<210> 14704  
 <211> 447  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14704

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 atcctctccc actctgtgtc ttatgattga caaggttact aaggatcaaa gttaacttgg 180  
 cggcgcacaa tcatgtgta tgatecttac ccgtgagaaa agacattgtt atatacatga 240  
 tatggatctt atcagaggtc tgggagctgg agatggaggg aacccttcgc tgctgtgatt 300  
 cctagtaaat ggtataccaa caactgcgtg tatcggcattg cttatcatat ggtagaact 360  
 gaagtaagga agaaaatata tgaccacctg ttaggcagtg cantgtgaag acccggtatg 420  
 ggtgtntgct attgttgctg tccaccc 447

<210> 14705  
 <211> 316  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14705

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 aagtgtgtg tgcattgagc cgttgtctcc aagggaagg agatccttat tttatataac 180  
 ccacatgacc agcagaggag tgataatgtt gggccatttt ctgctatcta cccccacc 240

acactacat cccaacatct tgagacctta atgaaggga ttacggaccc aaatggttcc 300  
agcatgcac atacac 316

<210> 14706  
<211> 451  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14706

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aaangccatt ccctggttat ggggttgaac caagctcatg ctttttcgaa aaaagttcat 120  
caaatacaagt tgaagaatgg aagtaactat cttgcaaaaa ttggggcaaa agatgaatcg 180  
agtcacatca ctgcttcgtc tactgcaaaa catatttagg attgttgatg ttcttggtac 240  
ttccagtttc accttgacaa agatgtcata gaccatgtgg aaaatctaaa ttgattcaac 300  
cccatatcct gcacaatact tcaactgtac atcattcgca tacatccatg cttttcattg 360  
gttgcatcgc tcattgcatt ctttccttga aaaagacaca taaaataaat aaataaataa 420  
aatanaatca aaatgatctt aatcattggt a 451

<210> 14707  
<211> 364  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14707

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actcacacat gttacatctt cctgttggtg aatgcagaat caccttgga agtggtgctc 120  
ttcaacttga tttatgcgtt aatggacgac tagttactag tgcaacatat tatgattggg 180  
aacaaatgtg tgcaacatat ataggtgttg ttcccccaaa gaatgcattg gtgggatcaa 240  
agcttaaact ataatggtta atagataaca tggtgactct cccaacagaa cccttaccac 300  
aacaattagc agcccgttgt aggcatacat tatacggttg atttatggtt gttgatgcta 360  
aacc 364

<210> 14708

<211> 431  
 <212> DNA  
 <213> Glycine max

<400> 14708

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gtgttttgctg gagctgtttt ggatataatg aggggatgat tcttttattc ataaacttag 120
atgtactaga ataaacaaac ccacaacttg ggcttatgtg acaaaggtaa tgtgattatc 180
gtcattgtttt attacattat ttgaattaat caaacaggaa taagaaagtt ttgcaaattc 240
tttttttttt tttctcaatc tgcattggcct gattatggga acctaattaa ctggttatgg 300
gttctgatgt gtgttatgaa taatggtgat agataacata agagtggtag tgggtgggtac 360
cagagcaatt tggaaacatt aaattgtggt gtaaagtatc cctgattgtc ggcgaaataa 420
tgcattgtag t 431

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<210> 14709  
 <211> 503  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14709

```

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gaatgtcatc ttgtgatagg acgaccagcg aagtgggaag agctaccgat gttcactttc 120
ccgctcctcg acatattatg cgcccgaaatt gtacatccgt gtgataagta ttgaccattt 180
ggatatgcga gagcttccga tgcttaatgg cgagcgtatc gatataattat aagcctaaat 240
cggacatccg tgtgaaaagg tatgaccatt ggaatttctc aagagcttgc gttggacaat 300
ttcgagcttc tcgacatact atgcgcgcga agcggacatt ctagtgagaa ggtatgacca 360
tgtgcatatc tacagaactt ccggacgtta atttcgagcg gtgcgaagtg atataaacct 420
gattcggacc ctctgtgcgac aagtatgact ctatgatttc ccagagctcc gtgtcaattg 480
cagcactcga ttccaatgga tct 503

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<210> 14710  
 <211> 438  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14710

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 gagaagagaa ccctaaaaaa tttatgcta tctcccaaat gacgatcttg tcctctgtaa 120  
 cttttcaatt catccgcgct agtgaaaggg tgattctgcc tttgtacagt gaaatttgct 180  
 gcatctctag atataattaa atgtaaaatc aataactaaa tttggatgca aaaaatcata 240  
 atcataataa tcattttttt atatagaatt cttgaaaggg aatggaatgg cctcaaccgc 300  
 atccttttgt aacaacttgt ggaaatgcc tgtgcaacgc tcaccacata atattctcta 360  
 tcttttcta aatagcaatc tttctctgcc aatctcagaa aagaaattat actttctatc 420  
 ctaacagaat atactata 438

<210> 14711  
 <211> 355  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14711

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 taaggagcgt caatatggcc accgctgaag ccttggaacg agaaaccaag aaggcccgan 120  
 aggaagaaca cgtgccagca aagttttgag gggctttata gggcagcaat agtaagctca 180  
 agctccgaag aggtgaaagg aatcatcaag ggtcaaaggc atgatcttga aagacgagct 240  
 aaaggcttac cttatgtcga anagaaatct gtcccaacag ttaagcgaga ctgaagggaa 300  
 tatgtgggcc gtcacgatg agtgcaaaga gaagctaaat ctagcggcga ctcac 355

<210> 14712  
 <211> 451  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14712

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 atagcatcac ttctggcact aaattgctgg gagtttgaag ccatcttctc aattaaatct 120

ctggcttcag caggggtcat gtctccaagg gctccaccac tagcagcatc tatcatactt 180  
 ctctccatgt tactgagtc ttcataaaaa tattggagga caagctgctc ataaatctgg 240  
 tgggtgacgac aactggcaca taatatcttg aatctttccc agtactcata ctagctttct 300  
 ccaccaagtt gtctgatgcc tgaaatgtct tttctgatgg cagtggctct agatgcaagg 360  
 aagaatttct ccaagaacac ccttctaagg tcatcccagt tgaaaataga cctgtgagca 420  
 aggtagtata gccaatctct tgccactccc t 451

<210> 14713  
 <211> 341  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14713

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 tcctagagaa gctagagcat agctacacac acccatgtat agctaagctc acctccttga 180  
 gatgagaagc tagagcttag ctgctacaca cccoctataa tagctaagct ccccccatg 240  
 caaacatata tgagaataga ggagagtcct tactagaaag actactcana attccctgaa 300  
 atacaaggct aaaaccctat actactatag tggccaaaat a 341

<210> 14714  
 <211> 457  
 <212> DNA  
 <213> Glycine max

<400> 14714

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 ccttaaggaa ttttgagct ttggaattgt tttgggaata agtgtggggg gtttttgttt 180  
 cattggacaa cttgttttgt tgactatgct tcatgatgta ttttgggcca tacttgatgt 240  
 acattgtata ttggttaa at gttggacatg ctgaatgaaa tgttgtttct caaaggcaga 300  
 aaaaaaaaaa aaaaaaaaaa ttcgaaaaaa ataaaaattt cgaaaaaaaa aaaagaaaag 360  
 cattaaagtt gagtgaataa gatcttaa at ggcacaagaa tgacgaaact ctcggttcta 420

ctctacatgt taaactttta tctttacttc ttttatt

457

<210> 14715  
<211> 306  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14715

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ggaagcccca aatattggtg gttgattcga tgtgaattag aacttggaat tgtacaacc 120  
tgaattctga gatccaactt tgttaaacga ctcttcacag gccacagct cataatcgaa 180  
acgaaccgt aaccctactt cttgttcaat cctccaaagc caaactttca cgttggtggt 240  
anaaagtacg tatgccgctt tctacattag aaaccatgag aatctctata tcacaaacct 300  
atgtgt 306

<210> 14716  
<211> 456  
<212> DNA  
<213> Glycine max

<400> 14716

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tgacatttac tattgacatt ttgttaacca tttgacaagt gtaccaaagt tccaagtagt 180  
aaagactcaa aagtctgagt gttgattttc acagggattt tattttgtac ttgtgttgga 240  
taattttcaa tttatacgag gacaagataa gatgaggat aaaagatgaa tttaaaagaa 300  
tagtaattaa ataatagata ttaatagaaa acaaaaggaa ataatagaaa attcaatgag 360  
atgagaatgt tagaacctaa catgtcttat ttgcctaaaa tgtattcatt gagatttttc 420  
tctatcaatt aggggttaatt tttctaccca catcta 456

<210> 14717  
<211> 451  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14717

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aagctaagtt actangttga ccaaggcatc aagttctcct tcaagttggt tattttcagt 180  
agataaagat gaattcgtgg ccacctcatg gactcctcta aggacaatag catcatttct 240  
tgactgaat tgttgggagt tggagccatc ttctcaatca aattcctagc ctcaacaggg 300  
gtcatatcac caagagctcc accactggca gcatcaatcg tactcctatc cttgntgcta 360  
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gcacacaatt tcttgaatct ttcccagtac t 451

<210> 14718  
<211> 449  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14718

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cgaagaacgg ttgaaacctt tgcaaaattc ttcacggaaa acgttacgga aacgtttcgg 120  
aagcgcctcg acttagatct tcttcacgga aacaattttt ccaagcaaatt tcgaaagaga 180  
gagaagtgt taaggggctg aacccttttc ttcttcactt cctcccctat ttatagcaaa 240  
ataggggaga tgcttgccgc ccagctcgcc tagggcagct cagctcgccc aggcgagcca 300  
ggttgcttcc tccagaagca acagtcttct ggaggaatct tctggagggc ccaagtgggc 360  
ctgggtgcta tttgcacccc catttttact aagtacaccc nctctgcttt tttatggtga 420  
ttctttnttc gtaatgttac ggaaactta 449

<210> 14719  
<211> 410  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14719

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tattaaaatg acatggtaaa atttatatcgt caaccaatga tntgtaccat cgagcaccgg 180  
atgaactgat ataaattggt ctagcttaat caatagtctc aagtttatga gatataangt 240  
tggccctgt ggttaacaaa actgacaaaac taacatttgt ggataaaaaa ataaaataaa 300  
aatatgatct tgagtn tact gtattcagta tgcagttgtg ttaaataatc gaaatgagac 360  
atttgttgca tacagtaatt ttagccggct cgaacaagat tgactctaac 410

<210> 14720  
<211> 435  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 14720

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agtccactc gtagccacgc acttcacgac cccgaaaatg ctctcctttc acgatttggt 180  
gcataaatga gcaccaaagt ttgaagcttt gtgtggagct tcaatggtga atgaggaaga 240  
agagaatggc aacgtgaggg agagagaggg ctgtctgaaa ttttctgttt tgctgagtga 300  
ggagagagaa aagctttttg gtcttaataaaa aaagggttt tccctttttc cattatatta 360  
tttatgcaaa agccacatgt ctccatttga gtggagcaag aagggccac tntccctttt 420  
gactgtgacc cacac 435

<210> 14721  
<211> 412  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 14721

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tcatatctcg cttaacttag aaataaaaat aaatctccac cgaacgtttg aattgcatta 180  
tccgttaact tcggttaaaa tgaatgccga ccattcggtc gtgccgtaac cacgttggt 240



atcaaaaaga gaggtaaaaa aaataatata ataatcagaa gacatctttt agtataataa 300  
 agtggaaaat caatcggacg ttttctcttt gggatntctc attcttaatc gaattgagaa 360  
 taactaaagt gaaactaagg ctaatatcaa ctgcctagt ctagctcgtc ca 412

<210> 14722  
 <211> 438  
 <212> DNA  
 <213> Glycine max

<400> 14722

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 caaatccaga gacagagacg aatcggagta agcggtaatg tggccactat ttgttgcgca 180  
 atgtcgttgc ctgctttcat gtacttacgg atgggcacga gtggaggcta tgcccatgat 240  
 caatggatcg tcgtgccacg tccagcttgt gacaagcgag aagcgctact gggaagcagg 300  
 ctagtatect ttaaattcct acttattatt gttgttggtt ctttgaggag atggtcgaat 360  
 gcctaattta ccctaagggg ttcgagtaag cgaacaccga cccatataga gcgcgtacct 420  
 ttgtgttaga aaaaatgc 438

<210> 14723  
 <211> 353  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14723

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 aaaaaatatt aaggactact ttttgtctcc actaaagaaa gttactgaat cctccactat 180  
 atttaagcct tttggttatg catatgagat tcttacgttt gagcagcaat gcattttcat 240  
 acttttcatg taaatgaatt caatgtataa ccttaatgac ttgagttaac ctcaaagagt 300  
 ttcataatcg tgttcgaaaa ctcaaaaaat caattgttaa atttagttga act 353

<210> 14724

<211> 420  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14724

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 cactattgtg aagtgaatca natatataaa gaattaaatc tagacgtata atcaaataatg 120  
 gacggtaaaa tttaatctta acaagtcatt tgagtttttt aaaaagtgtg tgactttnta 180  
 agtaattata tcacataaaa tcttaacctt tcatgtatga ttaaacaatt canatttaatt 240  
 cttttcactt tcatataaga tattntatct cataacatat atcttatata tagaaagaat 300  
 agatacccat caatttatgt catcatgggc tcattggcag ctntntttnt ttttttaagt 360  
 ataatgggta tctaacaata aataaaaaca gaaaacattg aagtctttga aaaatataaa 420

<210> 14725  
 <211> 450  
 <212> DNA  
 <213> Glycine max

<400> 14725

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 caaggcctaa ctgagaaatg aatttgtggg ggcaatggaa agaaggaaaa ttgataaaat 120  
 tgttattcta ttatctctta ttcacaacaa aaacacgata ttactctaag gagctactat 180  
 gcatacatca catttcatat ttacatacaa acacacaaaa actcactatt tttatatggt 240  
 ctcgccatgg caaaaggaaa ttttgctctg gcgaaaacat ttctgacatg attatgtaga 300  
 agcagtcata taaatttcaa agctaacact cacaagtatc ctataaacia tcatcaacta 360  
 caaagcttcc taaactagtt tatcgctcgc atcctattac tacttggtgt tgtggatgtg 420  
 atatctaacc ggcaagtgcg ccgggtcgtc 450

<210> 14726  
 <211> 415  
 <212> DNA  
 <213> Glycine max

<400> 14726

agcttattat tattgggtta cggcaattac ctgtagtctt tgtgtcacat ccttccatct 60

gaatcttggt gattcatggt gtaatctata tgcattccac tggacatgca tagcacattt 120  
 acatacactg ctgaatgata aactgtttga cctcactatc aaagctgtta atgatcttta 180  
 atggtttcca ttttttgata gggggcaagt tgaatgggat gcctttgaat ggatgcatgt 240  
 tgagtgtttt cctaatttga tacagctggc ttgcttgta cctcagaaag aagataattt 300  
 atgaagttaa atttcaaagg tcaactgtct atcttgtgaa gttgttaatt taattatttt 360  
 atgacttctg atcatagttt gttcggagct tttgctggca taagtcattt agaca 415

<210> 14727  
 <211> 437  
 <212> DNA  
 <213> Glycine max

<400> 14727

tgcttctaca ggcattgtctt gatacgcca agcaaagacg tcttggtagt cctcagcag 60  
 ggccactaat tcttcatgga tggggcggtc ataccgtgc ctacttttac ttcttcttt 120  
 tcaactgccg tacctaagtt tacgagttct gtctcttctt gatgggcctt atctcttgat 180  
 ccttatgagt aaatatactc tctagctctg ggggaagccc tacgtcttcg tcttcttcat 240  
 cctttgtcca actcgcttct tgctcgaaat cgacggctgg gtccccgaga ttagtacctt 300  
 ggtgggactc gtcgttgaat ctgtaccgtg taagcgtaac aaggacataa acatgcaa 360  
 gaatgataat gggtagacgc gcatgaacag atcaagagaa atctttatat tataaattct 420  
 agaacaaaag acataat 437

<210> 14728  
 <211> 345  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14728

tcattaattt ttttctttac cttctcttcc attgttgntt cttcaatttt ctccatgtat 60  
 ctctcacat gtcttgact acatgttatt aacatgattc tgtagaagtt tcaccgatta 120  
 aacttgctat acaagctaga tttgattgtc tatggttcaa atgtctctgt cttgttcttg 180  
 aaccatgaat tgtgataagt ataggttctt ttgagtgttg tcttagtatg ctttgtggct 240

gaaacctata ccataatatt cttacaataa tatcaaagta tactagactc tcgaatatct 300  
agagtgactt gatcacctat tgacgtttgt catataagtc atgtc 345

<210> 14729  
<211> 452  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14729

cgaagctgaa tntggtcggt gcttacgtac gcttaatcct ccttatacat gtaagaagta 60  
agaaaaaaga actgaagata atactaagaa ttatcaaagt taattagggt ccatagaaac 120  
tacaatcatt cttaaaagta ctctaagccc caccttttgg ggggaacata ttggcaggta 180  
tggtcaaata gtgcaagggt gactaagttg tcttatttcg ttattgcagc cattgttgtg 240  
cacatgaatt tcttgcaagc ttaattagggt tcttttgatc ttaacttgt aattactaat 300  
tgtagatat ataacttttc acctgctttg attgctaagt ctactatggt caaattgaac 360  
aattagtcag aattaagtaa ccataatggc tgttttagag tcattacaag tgtgagatca 420  
cactatactt acctacctta cacaatatcg ct 452

<210> 14730  
<211> 453  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14730

agcttattct ttcttgtagc tgaatttcaa ccattggacca tatgtatata tatagatgag 60  
agatcccgag ttcaactctt ccattaataa agaattaaca attaacaatt aataactagc 120  
atttggtgat aaatatatgt ctcaatctac cattccacca cctatatgga agcacattgt 180  
gtcatttgtg gtatgtttta aggtgaagct atataaagtt atatgatatt acatcattta 240  
tattataatt gaaaaaattt atactatttt ttaaatgaga aataaattct cttaaaaaat 300  
gaaaactaaa tataaattat cgtatgagat ttttcttcta taaatagtgg attggtatta 360  
cttatatttt gaaacanata ttcagaataa caaacaactt ctacaaatca atgtttttca 420  
taccttaagc angcatanat aattgaacac act 453

<210> 14731  
 <211> 447  
 <212> DNA  
 <213> Glycine max

<400> 14731

aactataaaa ctcaagctgg gcccttaatt gaataagtca cgccagaatc cagattgtct 60  
 gtttaatagg ggtcccagtc agaaaccata ctccaaggga aactgtggag tttgcatacc 120  
 atatccagaa aagggacaac aatcttgttg gcagtgtatt tagggggtaa cacaccaaag 180  
 tgggctcttt ataatagcga tctacaacca ccagaatagc cgtgaaatcg ttggaagggg 240  
 gtaagccgat gatgaagtcc acgctgaggt cttcccatat tgacgacaaa atgggaagag 300  
 gttgcaaaag acccgtaggc ttcttgact cgtatttagt ttgttgaga gtggaacact 360  
 gagcaagata ttggcgaacg accgaatgaa tttgtggcca taagaaattg gcctatagat 420  
 gatgaagtgt catggcgaca cccatgt 447

<210> 14732  
 <211> 408  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14732

agcttctcat attataccac aagttcatca atgatctgtc gctgtttcat aacataaatc 60  
 cataataata attaataagg ctgataattg aagtgaccga accattcata aagttcataa 120  
 aaaagtacac cctgggttac taagggtgag aataggtcat catttacaaa atcaattatg 180  
 atatgacacg ttggctacaa aatcaacagt aatcagacaa aatgaatgat tatataccgt 240  
 ctgaagtagt ntgttctctg gctgcatgag tccagcctac aatatatctt tgaatcagaa 300  
 tttcatataa tatttgatta acttgggaaa aactctcang aagagaatat gacggaagag 360  
 aatgtaaaac gaatattcta tcatccacat tcatactgat tgaaaaat 408

<210> 14733  
 <211> 463  
 <212> DNA  
 <213> Glycine max

<400> 14733

ctcagcttcc cttcaactct tcaaagctct ctgagcctct tctcttctct tgaacccatc 60  
 cttcttggtta agttcagtc aatgggttagc tatcttgcca taatggttga tgaattttct 120  
 gtagtagcca gttaacccta agaaccctc cactcccttc acattcattg gggttggcca 180  
 ttgaatcaca ctttcaatct tgctaggatc cactgctaca ccagcttggg atatgacatg 240  
 gccaagat tcaatgggtgt gttgagcaaa atgacacttc tttttgttgg ctactaacc 300  
 atgtactgct aacagttgca aaacagtttg caaatgctcc aaatgggctt cccaatcaac 360  
 actataaact agtatatcat caaagaaaac taatacgcat ttctaagca aggggttaaa 420  
 gacatcattc atgaggctct gaaatgtcga ggggtgcattc att 463

<210> 14734  
 <211> 291  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14734

tcctaatgaa acaatagatg atgggtggaca cttgaccata gtttccttta atcttgtgtt 60  
 acagccactc ccttggttgac atgggagaca tgtttgacgt agcaacttgg actttgaaga 120  
 aatccacac ttggagagac taataacaat caggaataa gtggaggatt gtctcattgt 180  
 cttggttgca tttgcaaca gtatgattat gagaaagggt acgctgttac anaaaaagg 240  
 tagtaggcaa acaatntata ttagataacc ataggaagt ttaatgtatc t 291

<210> 14735  
 <211> 452  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14735

gggagagagg aaagcataat ctttcttag aatatttana aatatgagac aagaggtaga 60  
 gtttcaacgg atgagacgaa aaccagctta attacaata cgattttcag tttttataa 120  
 tttgtagcag taccacctat taggggtggg gtgtgggcat attctcatag acagaaaatg 180  
 ggtgacatac gcatgatatg ataagcttac attacgcaag taattttttt ttatatatat 240  
 taattatagt atttcgtaaa atgcgctgtg ctttctttt tataactttt aggggtacgaa 300

aatacctttg ttttaagtgca cactagctat accaaaaaat tacgatagta aaatgtgtgt 360  
 tttattaaaa agtacgatag taaactttat taagggatat acgagcatag tcttttattt 420  
 aataaaacat aaagtttggg tataaatatt ac 452

<210> 14736  
 <211> 331  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14736

tgacaatata tgtctgaggt aacattccag tatgatcata ttatagcacc attatgaaga 60  
 ctctctatct atagttcatg tgtggctaata cacatccata gatagctatg tgtcataccc 120  
 taatntcgtc cggagactat tgtttgatgg catgcnaacc ttgggtgacc gcttcgaggt 180  
 actttggcac cctttgttgc ataatacgtg aagtttcgag acatgccgga aatcaaaagg 240  
 aagcattgta cgcaatccgt gaatttcgta acatgccgga gatcaaaaga aagtntngtt 300  
 acgcaatctg tgagtntccg taacattccg a 331

<210> 14737  
 <211> 448  
 <212> DNA  
 <213> Glycine max

<400> 14737

taatgattaa ggggttgtga agcatacaat aattaatgat gggtgagcct tattcttaat 60  
 cagegcaata tagtaacttt gagaaaccac gacacactca ataaattact agccaagagc 120  
 ttattgttca atgcataat tctatgtcgt gaacagcttc attttctttt atcaaaccaa 180  
 aatgtacttt gtaaagatcc caaaggaact gatggaccat agcttatact ttttgtattt 240  
 ggacagtatg atacaccatt atgaaattgt aactttttat tagcatcacg aattgcaata 300  
 caaacagca ggggtacata agtcgaattg gtaatttgtg aataaatatc ggcttagatc 360  
 atggccatca cagtgtacgt agtgattaat catgcatcat aattgatata taattgacca 420  
 ttatgtcaca ttctcctttc tcattgaa 448

<210> 14738

<211> 408  
 <212> DNA  
 <213> Glycine max

<400> 14738

agctttatta tgttttagaga gagagagaca ttaccatgct tgtgtcacat tgtagttatg 60  
 cttaatgtta tattactatg tttatgtcat attgtacact taatattata taatttttca 120  
 aataaacatg tgcttaatgt gtgtgtgaca tatatggcg taatatcaac tgatgcaatc 180  
 ctagcccccaggggcattgg atagaagact ccaagaagat tgggccagag atgcaggaga 240  
 aggcccaagg gttttcaagg gccttatgat agatatgggg cccttgggct cagtagatct 300  
 tggggccatt tcatgctcct tctctccttc tacctccact catgttcttc taccttcaag 360  
 ctcttatcca tggcttacta tgggtggtgag cttgttcttg aatcatct 408

<210> 14739  
 <211> 441  
 <212> DNA  
 <213> Glycine max

<400> 14739

tatcaaactc aagctgtcga catcggttcgc gtgtatgata tccactcgac aagggttgaa 60  
 gtagatgaga cttcaatcc tataacgcaa cgtggcggac aaaaatgggt agttaacttg 120  
 aatgaccatt attgtcaatg cggaaggat tctgcgttc actatccatg ttcacacatt 180  
 attgcagctt gtggttacgt gatcatgaac tactaccaat atatagatat tgtttacacc 240  
 aatgaacaca tcttaaaagc atactccgca cagtgggtggc ctcttgggaa tgaagcggca 300  
 attcctcctt ctgatgtggc atggacacta atccctgacc caactacaat tcgtgcgaaa 360  
 ggtcggccaa aatcaacaag gataatgaat gagatggatt gggtcgaacc atctgaccac 420  
 cgacaaaaat gtagtatatg t 441

<210> 14740  
 <211> 355  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14740

agctntatac tttgtaccgt aagatacacg tatcattcga ggtgagctat ttggtcaaaa 60



gagcttgtgt ctatacaatt catgaccttc atcatgttct gagttataca aatgattcta 120  
gaattcatag aatcatgcaa agatcattat tcacagttag tcattcactc acagagtaag 180  
gtcaaactct caccggttnt tgggtcaagc tcttctttca cacttagtct atctagtgc 240  
taaccattct attataagtt cacactcttg tgctttcttt gtctaacata cacatatgct 300  
caactcatga taagagacac aaactacatc caaatcatgc actcgattca aaata 355

<210> 14741  
<211> 467  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14741

ntgagccana atcctgactc accatanacc ttgacccagg gtgttattgt caatccttac 60  
cctcgggaagc aaaaaaagaa tagaggggaa atttccaatc aaagaaaaag agaaggaaaa 120  
tttccaatga aagcaaaaaa agaaaagaag gaaaattccc caatcaaaga gtgggagaaa 180  
gcaaaaagaa aagaaaggaa aattcccaat caaagaatgg gagaaagtaa aaaaagggaag 240  
aagaagaagg aaagaaagct cctgatcaag gatcgaaaga aaacagaaga aatgtgcaga 300  
gaggtctttg gaccggacaa tatctgaaca atacagaatt gccaccaaat gaacgaataa 360  
agaaggaaag ggaaccacga cctanaatag ttttctccct ttgattacca accaaaatcc 420  
cgtgcgctag cgaccgcttt tttctcgccc cgcactaaac aaaaaaa 467

<210> 14742  
<211> 404  
<212> DNA  
<213> Glycine max

<400> 14742

atggaggaaa agacagaggg agagaaagat agagggggga gcaccacatt gaaggaataa 60  
aagaagtata gaagtggaac tttgaagtat gtctcacaag actctcattc atcaaagtta 120  
caacaagtgt tacacatgct tctatttata gactaggtag cttccttgag aagctttctt 180  
gagaaagctt ctttgagaaa acttccttga gaagctagag cttagctaca cacaccctc 240  
tcataactaa gctcacctcc ttgagaagct tccttaagaa gattcctaga gaagctagag 300

cttagctaca catacctctc taatagctaa gctcacctcc ttgagatgag aagctagagc 360  
 ttagctacac accccctata atagctaagc tcacgcccac gaca 404

<210> 14743  
 <211> 446  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14743

atcaaccagc ttcacaagcc tgccttaaaa tggttctctgc ctnttttttt acttgatatcc 60  
 ctagctataa ctctaaggct agtgaaattt atttcaaaga ggcatgtagt gcattaaatg 120  
 cactgtagac tttggatgga cacaacaatt ttccccttcc agccagaggg gaatatcctc 180  
 aatttctcat aggcaatcca tatcgattag ctcgacacaa agttgaagct tttctcgtgc 240  
 tacaacttta ctcatcatat tcgtaggatt tttatcaatg tgaatctttt ccaacttgaa 300  
 gtgttggttct tccacttctc gttgcaacaa atgggtatctt acatcaatgt gatttgtgag 360  
 agagtgggtac atcacattct tacttaaatc caaagcactt tgactntcat aatgaatcat 420  
 gtaactntcc tgcttcattc ccaact 446

<210> 14744  
 <211> 169  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14744

agnctctatc tcttacactc tctaggcggg gaagctctgg cgggcatggc ttattcacta 60  
 gtgggtggtg cctcctctca cctctgcttc ttgategtcc gatgcattctc cgtgggttgag 120  
 tatcacgggt gcaggacctc attgaagctc aaagatccaa ccttcatat 169

<210> 14745  
 <211> 447  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14745

agctntgact ttattgtgat gcacttagaa nacacaacag cagacaagta taagaaatta 60

tccttttttt attangttgt tggacttaat ggatacaaat acttgtattt gttttttttt 120  
 tgtgtatttc atatgcaggg ttggatctgc tcattgggct ctaaaaaaac tattacagaa 180  
 tagccttaga gacctatgta gtgtttggga agccatgaac aacatgatca cgttgcaaca 240  
 cactgaaatt aagatatctt ttgagacaag tacacatatg gttggacatg tatntaaagt 300  
 taccttatac aagagactat ttggcatggt atctaggat gctatacatc agattgctat 360  
 taagtttgag tgtgtacatt atgctagcan aaaccattct cgttatggag gtgtcatgat 420  
 aactattcac gtcttccaca tgcattgt 447

<210> 14746  
 <211> 428  
 <212> DNA  
 <213> Glycine max

<400> 14746  
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 ttctcttatt gcccttagtt gaatacacct ttgtttgggt ctctatttgg gtcttaaccc 120  
 tctcatgcaa cttctttaca aactctgacc tagattcccc ttctttatgt ataaaagaag 180  
 tgtcaagcgg gaggggaatg aggtctaagg gtgttaaggg attgaacca tagacaacct 240  
 caaaagggga tcgcttggtg gttctatgaa cccccctatt gtatgcaaatt tctacatgag 300  
 caagatactc atcccaagac ttatggttgc cttttagaag agcccttaga agagtggata 360  
 aagacctatt cactacctct gtttgcccat cagtttgggg atgacaagtg gtggagaaaa 420  
 gaagctta 428

<210> 14747  
 <211> 188  
 <212> DNA  
 <213> Glycine max

<400> 14747  
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 agaatgggcg cccatcttac ggcagtacat tatgagatgg tttttgggac aagtcgtccc 120  
 tttatacttg tcgaaatccg gcactatgaa cttcggggga ataactacat cgggtactaa 180  
 tcaaagat 188

<210> 14748  
 <211> 434  
 <212> DNA  
 <213> Glycine max

<400> 14748

gtgaggggtgc gtagcccacc atcttttcat agtagagtat tgattatgtg tctaccatca 60  
 cgattatcgg ctccctttcc atcattggga gtaccacttg ggccgccaga tccctccacc 120  
 ttttgggcgt gttctttgaa agatccgtcc ccttttttgc aaatgttctg tagttgcac 180  
 ctatccagaa ccatatcaaa attgtactaa tactgcctaa caaaggcaac cattatgtcc 240  
 ttccaagaat ggactcggga aggttccaag ttagtgtacc aggtaacagc taccacagta 300  
 agactttcat ggaaggaatg tatcaacaat tctcatctt ttgcgtattc cccatcttc 360  
 tgacaatata tctttagatg gttcttgtga caagtagtcc ccttgtactt gtcaaagtcc 420  
 agcaccttga actt 434

<210> 14749  
 <211> 402  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14749

agctttatgt atatggagta cccatcacat gtggtactag gtggcggtcg ggcgatgggtg 60  
 cacaacaaat tattccacat tcacaatgcg cacataaacc caccatccac tgatgcccac 120  
 ctccatctga gctcacgtac tcccacgtaa cccatatact catttctctc aacaccgggt 180  
 ccccatcaat cctcccaagc tagcacaaca tccaagcaaa acaacattca aatagcacia 240  
 gctatcacag ccaagcaaaa catagcagag gcagattact gtgccaaaac accaaccata 300  
 agcacagctt ctctcactta aagaccccag gaacaattcc ttcgttccaa ttacataacc 360  
 ggtggatcga ctcaaaaant ttactagaag tctctagtac tt 402

<210> 14750  
 <211> 449  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14750

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 cctcggaagc aaagaagaag agaaggaaaa tttccaatca aagaaaaaat aagaaggaaa 120  
 attcccaatc aaagagtggg agaaagcaaa aagaaaagaa agaaaattcc caatcaaaga 180  
 atgggagaaa aaaaaaagg agaagaagaa gaaggaaaga aagctcctga tcaaggatcg 240  
 aaagaaaaca gaagaaatgt gcagagaggt ctttgaccca tacaatatct gaacaatacg 300  
 gaattgtcac caaatgaaca aaagaagaa aaggaaacca taacctaaaa gtggtcttct 360  
 ccctttgatt accaaccaaa atcctgtgcg tcggtgactt gctcacctcg tgtcaaacia 420  
 aaacagaaaa ggagatatcc aaaacacac 449

<210> 14751  
 <211> 372  
 <212> DNA  
 <213> Glycine max

<400> 14751  
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 tcaagagttg aagagcgggt gacgacagct ccatgttaat tttgccgacc ctaaagacat 180  
 ttgaagtgtg ttgcatgcag cgggcaagct ggggtgtgtg atgcaagagg aaatagtggc 240  
 tatcttccgt catacgtctc tgaattacta tcaactatgac tgactacacg gtggtttgct 300  
 taagattgag gctttttgcg gtctcgttta gtttcagtgt cacaatctaa atacttgtca 360  
 tcaaagactc at 372

<210> 14752  
 <211> 461  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14752

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 gcttggttgt tttgtttcaa taatatgcat aatgttgggt acattgaata tggaatataa 120

gtttgtcatg tacaagggtta tgtgcaggct aaaaattaag tggctttcat cgtgccacaa 180  
gaatactatg ttagatttgt attagaattg tataactaatg ttagttagat attattcttc 240  
ttatatgatt atttatgcat caacatttat tgatatcgac tnttttactc tatatggagt 300  
ttagaattga tgaatgaata ttacaggaat tgctacgaaa tagcatagat aatgatgcag 360  
attactagaa cacctaagga gatgttcac accattatac caaggatcaa ngttaacaat 420  
tattgtgata ttattgtcat tntgattctg atataacata t 461

<210> 14753  
<211> 329  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14753

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aacatcaaca ggtcggagggt gtctctccaa ttcttgactg ttatgtatag ccgaaaactt 120  
ccttgaacat gttgtctcga aatccttggt ctatgtgccg tgtcctgaat ctatgtgcta 180  
tgctattttc ctttaatttgt tcatgccacc tatcatctat gggcatgtcg atacatatga 240  
ctagcttctc tttattatga tgataaatga gaaacccttc aaagccccct aatttctctc 300  
agacattctg acccccatga tatggaccc 329

<210> 14754  
<211> 397  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14754

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ctgtccctat tgcttctca acttctgaa atgtagataa tagtgtcaat ggttctcan 120  
tttttctctg taatgtccaa gtctatttgc attggcattt tttgtgaagt gtgatttcat 180  
tnttcggtga ggtttactct atttatttgg tgcagctact taaagaattg gagagttaca 240  
cttcaatttt taagaataat caatttctat attttggtgg aaaattatga tttgtaaaag 300  
tcttatcaat ctgtttaatt ctaatttaag aggaaaatct tattttgagt aattntggta 360

atgttgacat ntttaaaaat agaataattta ttcttga

397

<210> 14755  
<211> 418  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14755

gatgattctc tacattaatg tataatgttt tatattatcg agactcatca tgcaaaagtg 60  
taaatcgta aatttttaat ttcaattatg acatcattaa ggttaataa taatacttta 120  
actgatatta ttaaaacatt cattcaataa ttaacatga atcaattaat atttatccaa 180  
tatatccaat gtcggtgcta atagtaatac ttaacatatt atttcgagcg aattttgtat 240  
aattatcatc atcggtattg aatcagatca tctaacatac aatgattcaa catcttaaaa 300  
ataaagagat tcattgcatt cattactaca ttcgattcat tatatgagca cattcactat 360  
ccttgatcgn cactatgagt acaaaattat cagcgtatac attttcatta ttttgaat 418

<210> 14756  
<211> 422  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14756

tgatgagggg gttccatattg ttctcaagac tggactaata gattttctgc ccaagttcat 60  
ggctcttgcan gtgaagatcc tcataagcat ctttaaggag tccatattat nntgtccacc 120  
atgaagcctt ctgatgtcca agaagatcat atctntctaa aggcttttcc tcattctttg 180  
gagggagtgg caaaagattg gctatactac cttgctccca ggtccattnt cagttgggat 240  
gaccttaaga ggggtgttctt ggagaaatta atccctacat ctangtccac tgccatcaga 300  
aaagacattt caggcatcan gaaacttagt ggagagagct ngatgagta ctgngaaaga 360  
ttcaagaaaa tgtgtgcaag ttgtccccac caccagattt ctgagcaact ctttcttcaa 420  
ta 422

<210> 14757  
<211> 282  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14757

ntataagtgc gggctctggga gacgaaggtc atgtgttccg atattgaaat gagtccagac 60  
ttggattggt acgacatgcc ttctgatttg cgctgggaat tggccatggc aggaacgccc 120  
cgacatttac gcaacaatct tattgtaaac ctatccggtt atgaaagctc tatagcgggc 180  
cctaggcttt aaagatacct ttgataacg gcaccgagac ttttggatgc gaatggataa 240  
tacacggatc ttaattcatc ggaacctggg cattgcccac tc 282

<210> 14758

<211> 213

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14758

tcataactc aatgggattg gcaactnggc tggatttttt tcttcttctc tgatgtatgt 60  
tctttatctg ttctcgaata tatcttatcc tccttgtaga tatactntac ttccctcttc 120  
tataataaat cttactaact aaaaaactat atatataat atatatcaga ctgcctgaac 180  
ctgangtacc acttctttaa ctggctcgct aca 213

<210> 14759

<211> 453

<212> DNA

<213> Glycine max

<400> 14759

tcagaaaact atagaagata atgccacggc ggtcgccctcc aattctctag ggaagcggaa 60  
ccggtgctac agcccgcaat aaacttgggc cgagacagaa acacgacggt gtaggtcgg 120  
aggtatagtc ctcaagccta cccttatggt ttgcctccgg acttcactcc ccatactact 180  
ccggacgatt tgagccaagc ccctaccttc gaggggcaac tccctcctta tgctgactat 240  
cccctgcaag aagatgaaga aggagatgcc tatctaggcc ccctacttcc cctcaaagat 300  
ccggccccc ataaattgcc ccaaccaaac atagtctgcc atgtcccgtc tccactcgca 360  
cccgttaaag aatctgttcc ctttgcaaaa gataaaagaa aggttgattt acttgaagag 420



aggctgagag cggtagaagg cctcggcaac tac

453

<210> 14760  
<211> 367  
<212> DNA  
<213> Glycine max

<400> 14760

tctgcatctg tacctgttac tgttgcaaga gtctgtggtc tatgttcttc tgctaatacac 60  
catatagatc tttgtccttc tttgcagcaa tctggagtca atgagcaacc tgaagcctat 120  
gctacaaaca ttataatag atcccctcag cagcaaaatc aacaacagta gaataattat 180  
gatctttcaa gcaacagata caatccaggt tggaggaatc atccaaatct aagatgggaa 240  
aatcctccac aacaacaaca gcctgtccct cttttccaga atgttggttg tccaagcaag 300  
ccatatgttc cttctccaat ggcagcagca caacaaagac aacaagcaac tgaggcccat 360  
tctcaac 367

<210> 14761  
<211> 457  
<212> DNA  
<213> Glycine max

<400> 14761

tgagatgagg aagtgttgaa gggtgaaact tcttgctttt attgttgacc acagagtggg 60  
acctggagat atgtcgcggg ggtcaggaga ccttggggac gtcaggtggg gtgctattgc 120  
ccaaaaccaa gcttgaccaa tcccgaacca acccgggcat agtcgggtcag tgagaacctg 180  
tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaaa caagaccaca 240  
aagcaaggag gcttgtgggtg gctggccagc tgtgaatttt gtgtaatatg tggattgtgg 300  
cctctggtaa tcgattacta aggggtgggtg atcgattaca aggcttaaaa ttgaagacag 360  
gaggctaaga tggctctctgg taatcgatta ccaaggggtg taatcgatta ccaggcttga 420  
aaacgaagtc aggaaactta aggagtctct ggtaatc 457

<210> 14762  
<211> 446  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
 <400> 14762

tgcaagcttt tctattgtac atggatncaa ataacatgta cctagctaca agcataacaa 60  
 agaaacctct gtatgtcaca cataactaga atccattaat aaaatgtatt attttataga 120  
 gtgagccaag tgaatgggaa gtcattgtcta acctggtttt ctactttcca taagctccaa 180  
 cattgaggag actntgaact tgatgatctc gaaagaggca cttcatgaat gtttgcttgg 240  
 ctaacaagat ccatecttgg acagcaaaac agatccacac gtggagcttc atctgttctg 300  
 gagacaacac atnctataga aacataacca ggaggagcta taggatacca gaagaaaact 360  
 tcatcaaacc ctttccttac aatatgggaa acattgtaaa ttgacaggtt tgaaagatat 420  
 acgactgcat tcttgagata ttctag 446

<210> 14763  
 <211> 432  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14763

tagactcacc cccggcttct ttttggtgtg atgattccaa cttgaagagc ttggtcacct 60  
 cctttttcac cacatctaga atgatgggggt caagtcgtcg ttgtggctgc ctactgact 120  
 gagctccatc ctctaaaagt atcctatgca tgcaggtaga tgggctaata ctatgaatgt 180  
 ttgctaaaagt ccatccaata gctttattgt gcttctggag cactaacaac aactactcct 240  
 cttgctcggc agtaagggag gcagagatga aactggata ttttccttg ccctccaagt 300  
 aagcatactt gaggtttgct gagtagggct tcaactctga tgcgggtggt ggatgaatag 360  
 cgggaggaac cagtgtgaga gaacaagatg anggttcttc agcctgtacc tcataaagca 420  
 tgtcataagt at 432

<210> 14764  
 <211> 174  
 <212> DNA  
 <213> Glycine max

<400> 14764

ttcccaatca aagagtggga gaaagcaaaa agaacagaga gaatattccc aaccaagaa 60

tggaatagt caaaaagaga agaatacagc tcccgtcaa agaaactaca agaatgtgc 120  
ataaaggtct ttgaccaga caatatctga acaatacaga attgtcacca aatg 174

<210> 14765  
<211> 459  
<212> DNA  
<213> Glycine max

<400> 14765

ctctagtga cttctcgta tctctcttca tcatgaccgt aattatcttt ttgtgcatct 60  
cttcttgctg agccattatc ttgtgcacaa tgctctcaca aaaacacttg aacatctcaa 120  
acctatcagg cctcttcctc ttgcggtcct ttgtgatctt ttccactgct agtgccctcg 180  
cgctttgctc gtattgtttt gtcaccaatg cgtcaacaac gtttctagaa tccccctcta 240  
cttccaactc caatgcatgg tggcccatct tgtcttggtt ctgcagtggg ggctgagtcg 300  
tattttcaag atgatgatca ccactacccc cttgggtgata aagctgttca agctcactaa 360  
cacaccgata atcgctacta ttactattat tattattatt cttgccgtaa ttaatgttgt 420  
tgaaatatct actctcttct tcaaacttct ccttgcaact 459

<210> 14766  
<211> 463  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14766

aagtgaatt aggtgcagcc atttccctta gaggcctctc atgatgtgga gggtgngcca 60  
tggtctcaga atgttcaaaa tcangatgtt caaaatcaca agtaacagaa tgcacagact 120  
caccagtaac agaattgctca ggatgcacaa aaggtataaa atgatgccta attaattctat 180  
gaaatgtcct atctatctca ggatcaaagg gttataagtc agatggattg cctctagtca 240  
tacactacat tcagcatgca caactagttg ccttcttatg caagtaacag tgtagggttg 300  
aactacagct accattaaat gatatccaaa tgacttgaaa ttttgtaagc aaccttataa 360  
aatcatgaaa aggtagcaca aaaantttta tgcaaaaatt caaagtctaa ctatggaaac 420  
tacctaanga aagtttagaa aaataaaaaca ataaaacttg aaa 463

<210> 14767  
 <211> 409  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14767

caagctatgt tgtatatnt acaatagacc tcctcaacct aagcagcata atcaaccaca 60  
 gcagagctat tatgacctt ccagcaacag atacaacctt ggatggagga atcacccata 120  
 cctcagatgg tccagccctc agcaacaaca acaacagcct gctccttact tccgaaatgc 180  
 tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240  
 acaacaaca gttgaggccc ctccacaacc ttctctcgaa gaacttgtga ggcaaatgac 300  
 tatgcagaac atgcagtttc agcaagagac cagagcctnc attcatagcg taaccaatca 360  
 gatgggacaa ttagctaccc aattgaatca acaacagtcc cagaattct 409

<210> 14768  
 <211> 356  
 <212> DNA  
 <213> Glycine max

<400> 14768

gttatgatta tttgaatttc tcgagagcct cctatgttta attttgagcg tctcgatata 60  
 ttatacgctt gaatcgaacc tcagtgtaaa aagttatgac catttgaatt tctttagagc 120  
 atccgttgtt cattttcgag cgtctctata tgtgatgaac cttaatcgga cctccgtgtg 180  
 aaaagttatg accatttgaa tttctcgaga gcttccgttg ttcaatttcg agcgtctcga 240  
 catattatgc gcccgatcg gacatccgtg ggaaaagcta tgaccatttg aatttctcga 300  
 gagcttccgt tgttcaattt cgagcgtctg gacatattat gcgcccgaat cggaca 356

<210> 14769  
 <211> 335  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14769

tcttcgagct tagtgccagc ctgctgcgct tagcgctga gtaaaatttc ataatgcgcg 60  
 ctaagctcag catgttgccg taagcgccca gtctaaattt cagtcttatt tttctgtttg 120

tgaaaataac ctgtgttaat ctcttgtgtt tagtttacat tttgcagatg gcatccaaga 180  
aaagaaaatc tccttctaca cctaccaag ccagatttga taggtccaga ttcacatccc 240  
tagaggcttg tgagagatac actgacattg tgggtgcctcg aaagctacta ccacatagga 300  
atgtggtagt ttattacaca gagtntgacg agatc 335

<210> 14770  
<211> 450  
<212> DNA  
<213> Glycine max

<400> 14770

ctgcttgtga ggcttctatg gaggctggat cttgagcttt attgggtcct ttaatggtga 60  
ttttccacca tggagatgca gcagaagaca aaggaaaata ggtgagagga ggcgccatcc 120  
attaaggaat aagccatgga agaaggagct tcaccaccaa gatgagcctt ggataagaag 180  
cttgagagagg atgcttcaat ggaggaaaag aaagagggag agaaagagag agggggagca 240  
cgaaattgaa ggaataaaaag aggtatagaa gtggaacttt gaagtatgtc ttacaagact 300  
ctcattcatc aaagttacaa caagtgttac acatgcttct atttatagac taggcagctt 360  
gcttgagaag ctttcttgag ataacttcct tgagaagctt ctttgataaa acttccttga 420  
gaagctagag cttaactaca cacaccctg 450

<210> 14771  
<211> 390  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14771

aaaataacat gttagaggaa gtatcccaca atttaagcaa gaataacttc attntgggtc 60  
acaaccttac tggatatctag gcatttagtag gtaacacata cgttntctac tatgacatag 120  
tgcatagatc ctaccaataa ttctcaagta ctaattaatt aaataattga aagttgaaac 180  
tacctatcg atatacattg attagcttcc acaacttgct aaacactaga aactgaaac 240  
attcttcatt ttacaaaaaa aatactaata agaaataaaa agacggtgtg gtgttggaag 300  
aaccaaaagg tagcaaaacta gactactact cattgcttaa agtatgaaca atcttaacct 360

gaggaagaca atctagtgc caacactggc

390

<210> 14772  
<211> 459  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14772

tcattcaatt gaataaagag agctgtntg ctacatctat tagtatcaat ttagagttgt 60  
tgcgcttggt taattgggtg tgccctctctc tttcatttag ttattgtttt ttaatcacct 120  
cattcatcat tgaccggtac agaaagtcct tgtgcagatt gtttttccc atgaaagcat 180  
ttttttagtt catattatta taacatgttg ttgactttga attgaagtaa gtaattggaa 240  
aagtgattac tccaacggt tgtaatatct tttacgttaa actatctact tggatatgaa 300  
tgttctctat ttttaagttt tttgctatat cattgtcatc aaatatctat caatgttatt 360  
tattattaat ttttgttaga aaacttaatc agtcaccttt aatggaatta tttcttttca 420  
ttcacatttt tgtttattca caaaattcat acttattta 459

<210> 14773  
<211> 347  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14773

gagagtgagt tgtgcccaca aagaaagtaa cttaagaaaa ccaaaatatt agagtccgta 60  
gaaaacanaa acaagaatca tcagcatcaa agtgatattt tgagaaatga agagataatg 120  
agatatgant atatatacat gtgacttgac tttcaggtga tccaacaact atttggttgg 180  
ccaggatcca naattcttga atatggccca ataaaagtga gaagctgtga agatggaaga 240  
gaaatagtta taactataat agcctatgct attaaaagtg tgcctgccat agagaaattc 300  
tctaacttat aacattggta gaacattcat canacaaaaa gaacatg 347

<210> 14774  
<211> 318  
<212> DNA  
<213> Glycine max

<400> 14774

tgagatgagg aagtgtacaa aggtgaaact acctgctctt attcgttgac cacagagtgg 60  
tacctggaga tatgtcgcgg gggtcacta cgactgactg ttacgatcac tctttgtggt 120  
tttatatggg tagacctgat gtataggaat atgatgattg tatatatctg gctgaagccg 180  
ccactgtgga cacctttgct atgatatgac gctttttatt taatacagct cccctctttt 240  
cgtcacctgc atacgacgtg cgcagctatg agccttctta tgctagtaac agagtacggt 300  
tgcactctatt atttggtt 318

<210> 14775

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14775

agctntgttg gtcgtatccc accatctttt catagtagag tatcgataat gtgtctacca 60  
tcacgattat cgtctccctt tccatcattg ngggtaccac ctgngccgcc agatccctcc 120  
accttttggg cgtgttcttt gaaagatccg tcccccttg tgcacatgtt ctgtagttgc 180  
atcctatccg aaaccatata aaaattgtac tgatactgcc taacaaaggc aaccattagg 240  
tccttccaag aatggactcg ggaagggtcc aagttagtgt accaggtaac aactacccca 300  
gtaagactnt cttggaagga atgtatcagc aattcctcat cttttgcgta ttcccccatc 360  
ttctgacaat acatcttttag atggttcttg ggacaagtag tccccctgta cttgtcanag 420  
tccagcacct tgaacangng aggggtgatg atatt 455

<210> 14776

<211> 376

<212> DNA

<213> Glycine max

<400> 14776

gcgatataat tcgttgtaac ccgtcactaa ccaattaata ttatcaacta ctcttttggt 60  
taagcaagga aagtgttggt ccaacaaaaa tcatttacgc gtacagcata catcattgtc 120  
ataattgaca acacataatg acatgcatgc gtgttacaga ttgagcgtga caacacatgg 180  
gttgactata gtacacattt tgaaactatc agtcgctcaa caacacattg ggtgacttga 240

ctacacatta gcgacaacac ataggctgac ttgactacac atttacgcgt gtctatgttt 300  
 tcgaaacata gttaaacaaa ggctcgcgtc caaccatgta tatatatggc agactaggct 360  
 actaaatcac acatta 376

<210> 14777  
 <211> 185  
 <212> DNA  
 <213> Glycine max

<400> 14777

ctttattgta tcaagtctta tcttatccag atattattct atctagattt tatggtattc 60  
 gagatttatt tcacacatc ttatcgatc ttatcttaat tttattgtat ttcgtttatg 120  
 ggtgtggact taaaatagat ttgtaagttg tggggccgag gacctatata acagcaccaa 180  
 agttt 185

<210> 14778  
 <211> 351  
 <212> DNA  
 <213> Glycine max

<400> 14778

tattaccac aaccaccac caaacctatc tatttttaga ttatgacatc ggcagaaatg 60  
 cagttgagaa gagaaagggg cctatgcttt acttgatgac acaagttttc ccctagccat 120  
 cgttgtccta ataagcaata ttttgttcca cagtgggaag aagaagatga acctgcatta 180  
 caaccagatc caccacacga ggttgagaca gctgggtgacc ccagtttgca agatcatcat 240  
 ttgtcttata atgctttaaa aggcctcatc tgtcttggga caatgaagtt tcacggatca 300  
 ataaatggat tgagagtgtg gattctacta gatagtggga gttcagataa c 351

<210> 14779  
 <211> 405  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14779

ctcttctaag gacaatagca tcatttctgc actgaattgt tggagtngga agccatcttc 60



tcaatcanat tcctagcctc agcaggggtc atatcaccaa gagctccacc attggcagca 120  
tcaatcatac tcctctccat gttgctaagt ccctcataga aatattgaag aaggagttgc 180  
tcaaaaatct ggtggtgagg gcagctngca cacaatttct tgaatctttc ccaatactca 240  
tataagctct ctccactaag ttgctgatg cctgaaatgt attntctgat ggaaatggtc 300  
ctagatgcan ggaagaattt ctcaagaaca ccctcttaag gtcacccctg ctgaanatgg 360  
acctgngagc aaggtagtac agccaatctt ttgccactcc ctcta 405

<210> 14780  
<211> 381  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14780

tcggaagata gtgatgaggt acaagccctn atgcttactt tattagcctg ngtagtcgaa 60  
gagaagttca ggtccatagc catcaaagtc tgaaaagagt atgatgaact aagggatgtc 120  
aatatggcca ccgatgaagc cttggaatga gaaaccaaca acgcccgcaca ggaagaacac 180  
gaccaaagaa aagtcttgag gggctctata gggcagcaat agtgagctca agctccgaag 240  
aggtgaaagg aatcatcacg ggtcaaaggc atgatcttga acgacgagct aaagggttgc 300  
cttatgtcga aaagaaattt gtccaacag ttaagcgaga ctgaagggaa tatgtgggcc 360  
atcatcgata agtgcaaaga g 381

<210> 14781  
<211> 432  
<212> DNA  
<213> Glycine max

<400> 14781

actcagctca gcacttctgt aggttcaggc ttccatctct ctgatataac tgccatatac 60  
tcagccggta ttaggcctca tgagctttct catatccagc ttactggatt tagtttgggt 120  
gacttccttt ttagatactt aggtgttccc cttttatcat cgagattaaa tgtatgtcat 180  
tatgctccct tgctttccaa gattactggc ctgatttagg gatggagcaa gaagtcttta 240  
tcttatgcag gtaagttaga gttgattaga gcagttattc aaggaattgt gaatttctgg 300  
atggagatth ttcctttgcc gcaatctgtt ctggaccgaa tcaacgcttc gtgccgtaat 360

tttctgtggg gcaaagcgaa tattgcaaaa acaagccctt gggtgcttgg tcagtagttt 420  
gttctccgaa aa 432

<210> 14782  
<211> 465  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14782

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tttatttaag ccgttttctc acctaataaa tgataaaatg aatttcaacc gatcatttgt 120  
gttgtaatct catttaatca ctcttaaaat gaaatctaac cgatcgttca cgctataacc 180  
tcgggttaaac aaaaaaagta aaataataat aaaataatca aaatatcttg aaaaataata 240  
ataaaataaa caaaatatct ttgaataaaa taaaacaaaa aaatcaatcg gacgtttttt 300  
ctttggaagt ttccttgaat gaattgatta ataaccaaag tgaaactaag actaaaatag 360  
actcacaat caagttntgt ccgaaaatca ctaaaaaccg ttttaaggtc caacgcctta 420  
tacggctctc tntgctttta tcgggttaaca tggaccgttc aaaag 465

<210> 14783  
<211> 389  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14783

agctttttga ttataatcca catcagcaca tgaacggcgt agtcgtatcg agatccagcg 60  
ccaataatat aactccgtga atgaaggata tataaccataa ctgtcctgtt tattatctat 120  
cggatgagcg aattctagtg aggtctatat cttgaaatca agttatattc attggaccaa 180  
ctaaagagcg agagacatgg aagaccctcg tatgaataaa gacaagtcac tctaccaatg 240  
tgcattnnga aactgcaatg atctgtactt gcataaagac aantagcttg ccataaacat 300  
ctgatatggg tagccttatc atggacgtat tggccgctac catattgata gtgacatcat 360  
ccaccgttct aacctanatg caaccacac 389

<210> 14784  
 <211> 460  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14784

ggcgagcaga agaagaagga gaaggagaag agaagttgtn gaggggtgntc ctattctgag 60  
 gcacacgatg actggtaatg gtagtcatga tggttcctcc tcccattgat gggggtactg 120  
 catagagagt ttctagttat tactcttcca taacataatc ttctattagg tggatgatga 180  
 gataagatgt tggcatttgc ttcttggacc cactttttaga tgttgaatt tgcttcttac 240  
 accccctatt ttgcttcatg cacgccccta aagacatgaa cagatccaaa taccctgcc 300  
 tctcccaagc aagtggggcc cacccaaaac ctccgccaac ccaaacacca ctgccgtaac 360  
 tgtcaacacc accaccgaca accatgattt anaaaacaac acaaatacaag ttgttcaagt 420  
 canatataaa aaagaggagt aaaactatac cttactctgg 460

<210> 14785  
 <211> 322  
 <212> DNA  
 <213> Glycine max

<400> 14785

tgggagagaa atgttcatct aaagcataca agtccctaatt attatcaaatt cctaaaattt 60  
 gagctcctag ggagcaaaac aatgtgtgtc tcctagagag ggcattcagct accacatttg 120  
 tatatccctt tttgtatttg ataacatag gaaattgctc tacgtactct acccattttg 180  
 catgcctctt gtttaacttg ctttgccctc taatgtactt aagtgattga tgatcactat 240  
 gaatgacaaa ttccttggtg acaaagtaat gttcacaagt gtggagggct cttattaacg 300  
 cataaagctc tttatcatat gt 322

<210> 14786  
 <211> 302  
 <212> DNA  
 <213> Glycine max

<400> 14786

tcatgtgctt acgatagagt acaacatgaa agtatgtatt acagtcaagc tgtgaactca 60

actcatttct agacatgttt tgttttttct gatttctcat gtagtgtcaa ctatccctac 120  
tctaatttaa tatattatgt gttaatactt aaacttctat actttttag attgaatcaa 180  
tggcttcaaa tatactacag ggagattgga gaaaaaagtg ggaaacatga gatcaaattt 240  
agggagaagg gaactgaatt ctttttaact aaactgaata taggttgaca aaaagggact 300  
tt 302

<210> 14787  
<211> 438  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14787

ctcaagatgt cgtctatctt tatgatgaaa taagaacctt anaaactaca ttatccaaat 60  
ttgtcaatgg aataaataat cttaacaaat tattggaata ctgtagaagt tccatagaca 120  
aatctaaaaa tgtatatgat gggaagggtat atgttcatga tgaggacacc attttttggt 180  
attttttggtg aaaacctgga cacatgacat ccaaatacaa ggattatgct aagaagggtt 240  
cagccaatcc ctttatggct aacacaaaag gacccaaaaa tatttgggta actaagaaaa 300  
atattattgc agttgcagat gtccttgata gtaggaaata gatgcctatc atgggtaccta 360  
gacagtggta actcatgaca catgtcanga gaaaagtgta tgttccaatg cctgactccc 420  
tatcatgggtg gaacaatc 438

<210> 14788  
<211> 181  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14788

tatgtatctc ttcatagagt atggccaacg acattgttct gatgagtcac gtangtgatt 60  
gtgcaacgac atcccttctg atatcagggtt ttaatcctcc caciaagcaa tccaatagag 120  
cttcttgtgt aattacttgt actcgcataa ctanagccgt gaactgcacg taatatgact 180  
g 181

<210> 14789

**SECRET**

<210> 14792  
 <211> 429  
 <212> DNA  
 <213> Glycine max

<400> 14792

ctcaagctta tattaattaa atataaagca aaatcatagc gggaattgtg ttttatattc 60  
 caaagtctga aaatggagat ctttctatat ggagagggga aattccgtct cagagtttgg 120  
 agcaaacttt ctaagtaata atttcacgga ttcatatgaa agtactaata atttcacgga 180  
 gtaagacgta agattggcaa tccccaaaag ccgtataatt gactactaat tactcatcat 240  
 agagctcttg aattaagtct gcagaattta ttatgttgac tagttaaggt gatgaaattt 300  
 cgaactaact atagtgatag tactatcttg cttctgcata attcacaag accagcataa 360  
 ccaactcttt gacgggtgac ttgagttcta aagttttata tagaaaaaat ggagattgaa 420  
 tcttggtggc 429

<210> 14793  
 <211> 410  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14793

gtgaacctca ggggttecta ttttcgtctt acatagatan tttntttaac aatcacaagc 60  
 gtgtgcgggtt tcatccagat ccgactcaaa gcaaatagca tcctgatcaa tggcttattg 120  
 gcttgaacgt ggtaggggg tagagaccta tgaaagaaan ggatagaaag gctcanaggg 180  
 tgtttgaggg ttacattgag taagaaacct tagagcggtg cttgtatctt ttggggttagg 240  
 ctctactcct tntgtattat tcagtaatcc ttntcgcaact tttgtgcatt tcttgtnanaa 300  
 tctggagatg gttgtctntc ttttttttct tcaactcaact ttggggcgat ntatnnttct 360  
 tnttcttttc attggtgcc aacttcatgc atgcgttatt tgcattgccn 410

<210> 14794  
 <211> 420  
 <212> DNA  
 <213> Glycine max

<400> 14794

ctcagcttgt aatgctcgag gcacatgttg tagtaataat cagaagttga ttttgtcaa 60  
 tgtgaatgct ccttgtgagc tgggtgggaa gaaagcttta tgggatgagt tgaggcagct 120  
 gaaggcttct aatcctagtg gaatgtggtg tttccttggg gacttcaata gcattagaag 180  
 tgctcacgat agaatcaact tatctcagag aatggcagat ccttatgaca ttgcagcctt 240  
 taatcacagg attgatgata tggagcgtcc agacattacc tgttatggga atagctctac 300  
 tcggattacg cctagtggct gtgtgaaaag catgcttgat agcttcttgg tctcacataa 360  
 ttggatatct ctctggcctg agagctgtca cactgtgcat caaagtaacc tctctgatca 420

<210> 14795

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14795

agctntatat ttctatgata tcgcgatgct gcgcttagcg ccaccctcac gcttagcgcg 60  
 agtaagtga attgggctta gcgccagtct caagcttagc ctggctaaag gcacctgctg 120  
 cacttagcac actgatctcg cgcttagcgc gcgactttga tgctgatgct ctactagatt 180  
 ctccctttgcy ttgagcatgc tgaagctacg cttagcgggtg gatatgtgct tggctcaact 240  
 gctgagctta gcccaattgc taaattttgc aattcataac ttagcgtctt tatcacctga 300  
 aaaatgcata gacntcatca ttaaatacaa tggaaatgtt ctagagacaa cattaaccat 360  
 aatacatgat gtatntacaa aaatcactac aaaataacca taaatttggg aactatacaa 420  
 gcttttagaaa atga 434

<210> 14796

<211> 224

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14796

cttctcctta gattcaatgc ctctgctgct tgagcttatt ccacataga gccatgtgtt 60  
 gaatattgan aatacaaacc aaacccatat actcttaaaa tcatagtga ttacttggc 120

aataggcagt aattaattct ggtctcaaga tacaaaatcg agaaccaagt gcagtatagt 180  
 tggcatcacg aggagttact ctgtgaccag ttgtcacgat ggtg 224

<210> 14797  
 <211> 310  
 <212> DNA  
 <213> Glycine max

<400> 14797

taaggaagca gctccattga tatcatctaa tatatgctat gcttaagccc gaataagaaa 60  
 acttgtatca caggaaaaga tctaattcaa gttgaattaa ggatcatact gattgtgggtg 120  
 gtaaaactgg cttgaagtag ccactctgggt catatcctga ccaggaagtt tgcttttgga 180  
 ttaaaacagt gtcgtgctca aactgctaata gtataaaatg agattacaaa tatctaagct 240  
 ttcctcatga gatcaactaa cagtatccta ttcataatat cacataaata catttatagg 300  
 attaccatg 310

<210> 14798  
 <211> 431  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14798

tttatctgca aacatggatg gtttgcacgc tcaaactcag tgcaatcatg agatccgatg 60  
 caccaaactt ggcaataact cagccccaaa tccaatgatt acccacanna aatcatcctn 120  
 catctatacc agagagcaac ggaaattaaa cacagaaaaa aagaaaaaga aaaatctaag 180  
 ccatttgggt gatacaaatn gcaatgagct caacttaaag tctggactnt agaattataa 240  
 ctgccaaatg aatctcagta ctttaaagct gcaactcaag tgctgggagg actgggtgctg 300  
 gtgattcccc caacttccgg gttccctctg cttctaacta ccgcatttct cccatgtttg 360  
 tagggacctt ggtgattgca ttgttatttg gaagtagaag tgacanaata attntggctc 420  
 attatgacat c 431

<210> 14799  
 <211> 397  
 <212> DNA  
 <213> Glycine max



<223> unsure at all n locations  
<400> 14799

tgaagctaac agagagtaga gaagcaggat attctctctt gaagctgcga gcnnncattg 60  
ataattttta catgtgttca agcttcctta cttgagaatg tctctgaaat tgctgggttt 120  
ttttaccata tacccaatat gaaatttctg cttaaatgta tgtctttatg aaaatttggt 180  
aaggtgataa tcataaggat taagccatat atagttaaag tgcaagggtc taatgccaaa 240  
gtattatttg gaaacaataa ttgtcctcat atcaattaga tacccttctc cagtcttctc 300  
ctccttaggt gccattttca tggccacctt acactttggt agacttatat atatcatcaa 360  
accacttaga gcacatgcac atgttctatg tgacagc 397

<210> 14800  
<211> 439  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14800

ntataagcgc gggttcagga gacaaaggtc aagtgttcgc gatatgctaa gatgatattc 60  
cgagtacttt ggatttggtg cgaccatgcc ctcttgattt ccagctggga aattggcgag 120  
tggaggaacg ccccggcatt tacgcaacaa gcataatgta aacctttacg gttctaaaag 180  
ctctatagtt gggcctaggc tttagagttt tcattttggt aaggctttgt gtcttctggt 240  
tttgaatata taatacaagg atctttcttc atctgttctt ggtctctacc cattctcatt 300  
catttgcatg tgtacttctt tttctaagac ggcggatacg atggcgagtc cgccgaaggt 360  
actaatacct gggacccgtc tatcaacttc gagcaagaaa tgaatcaaac ggaagatgaa 420  
ggagatgagg atgtgggac 439

<210> 14801  
<211> 337  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14801

tgcttagacg aatgagaaaa ctggggcaaa taaagagggt gaggatgagg gagaaaccca 60

tgttgtgact gccattccta tacggccaag tttcccacca aaccaacaa tgtcattact 120  
 cagtcaataa caaacacact ccttaccac caccagtta tccacaaagg ccatccctaa 180  
 atcaaccaca aaacctgtct accgcactct caatgatgaa gaccaccttt agcacaaacc 240  
 aaagaaaaca ccaaccaaga gatgatattt gcagcgaaaa gcctgtatga ttcaccccaa 300  
 attccggtgt catatgctaa ctngctccca tatctac 337

<210> 14802  
 <211> 464  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14802

ctaagtgtat aaagtatnnt aaaaatatac ataaagatat aattttttta atatgattaa 60  
 tgttatagta ttaaataat aaacaaaagt aaactttat tctaaaaata gacatacaaa 120  
 aaaagattaa attgtaactt ttatccttat ttaattcata atcagtaatt ttttgtctcc 180  
 ctattttttc aatgatttta atcttcacat tctagaaaaa ttataatttt gggttcaattt 240  
 ttaaattttt gtatatttta tttctttttc tttttacatt ttaattaatt aaaatatttc 300  
 ttgatataac cttaaagtaa taagtaacat ttaggattta attagactaa aataaaagaa 360  
 ataaaaataa tgtaaaatga caattntttt aaatataagg actaaaataa aataaatgta 420  
 aaattacaaa ttntaaaaat atagggacta aaataaaaata aaaa 464

<210> 14803  
 <211> 394  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14803

agctntgtct atatgtctag tacctcatca ctttgtttcg aagctgtaca ctgattgtct 60  
 ctcacaccct ctatatattgc gagccactcc aatccttggtg atcggactct catccactta 120  
 tgatatgcgc cgatgatccc attactgac tctctaagct ctatgttctt tcttcacgcc 180  
 gcateccatg ccttgcgaaac tecttggagt accctcgcgt tgcggtcact gaaaccccg 240  
 gcgatgaaag acgtgatgct ttcgtctgat ggcactctc tcatggggta gccaaagctgt 300

cttatggcga cgacgggatt ataattaatg caacccttt gtcccatcca gggaacattt 360  
ggacatactt cgcataaga tagaatcctg attc 394

<210> 14804  
<211> 460  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14804

agcccgcgac atgtaaccca ccatcttctc atagtagaac atcggttatg tgtccattat 60  
cattgntatc atctccctct ccatcagtgg gggactact tgagctacca gatccctcca 120  
cctttgggcg tattctttga aagattcatg ctccctctta cacatgttct gtagttgtat 180  
tctatccgga gccatatcag aattgtacta ataatgcca atgaaggcaa ccattacgtc 240  
cttctgggaa tggatccgag aagggtccag attactatat caggtgacgg ttgtcctagt 300  
aagactttcc tagaagaaat gcatcaataa tttttcatct ttgcataatg ccctcattat 360  
cttgtagtac attgtcaggt gattcttggg gcangtagtc ccctgtact tgtcgaaatc 420  
cggcatcttg aactntggag gaataaccat gtcaggcact 460

<210> 14805  
<211> 204  
<212> DNA  
<213> Glycine max

<400> 14805

gatgtgctga caaatatttt gcacacattc cttggctctt tagaatacta atagtgatgg 60  
tgatcgcggc ggtatattac taccggtggg aatttgcag attctgagcc tgaggcctct 120  
gatttgaggc atgcggaaga gtactcattg tcggaaaggg tgtgttccgt tgcgcaagtg 180  
atgctctttc tcagctgtgg ggat 204

<210> 14806  
<211> 99  
<212> DNA  
<213> Glycine max

<400> 14806

agcttggtgt gtttcttact aattcagcga tctctgacac tcgttgaact tttatcttat 60

gcatagtatg actatacagt gtccaacaat attgactct

99

<210> 14807  
<211> 422  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14807

ntgagtatag actcatctct ctaattgagt gcatgtacaa ggtggtatct aatttgctcg 60  
ctaatacact cggcaagggtg atacaccaag tgattgatga cacctaattct gtgttcattcc 120  
aagacaggca tatactggat gacgttctta ttggaatgag cttgttgagg aagcaagagt 180  
aagtggcatg gaaatgatta tgttcaagggt tgatttccag aaggcatatg actcgatgga 240  
tcgtgattgt cttatgatga agacggaaga tatgggtttt cttaaagacat ggcattgtatg 300  
aattcaagaa tgctgtataa ctgcaacaat ttttgggtata ctaaattggga gtccattctaa 360  
agaatatgtg tatgggtcaag gtcttgggta acaagatcct ttatcacctt tcctgtgtct 420  
ga 422

<210> 14808  
<211> 384  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14808

ntgagaaagg tgatgtgaac aagcggttac tgtatatagc cttcaataag accccaattc 60  
tgagttcatt tctttgcttt ggttgctttc cattgtcgaa gctcttcaa ggcggtttga 120  
ggattcccca attgaaggta gaccacacaa ctgaacgtgt gttcaagaac ctggttgctt 180  
ttgagcagtt tcactatcca gacaagcctt acttttgcaa ctatgtttct ttcattgact 240  
ctctgatata cactcagcta gatgtggagt tgctggttga gaaagaagtg attgtgcatg 300  
aacttgcgag tgatgaggaa gtggcaactc ttgttaatgg tgtatgcata catgttgtca 360  
caaactcaac ttgttaccat caca 384

<210> 14809  
<211> 356

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14809

tctcttctgg attatctggc tcttttaaata atgcattatt tcatacaaaa gttaactaca 60  
ctagctagta tgataaaatc attctccttg actaanatat cctcattaaa atagttaaaa 120  
tctaattgta aattagtcta aatagtaata tttttgccat agcacagtat acaatataaa 180  
ttgttatttt tatataacta aattcataat aataaaaaaca ttaatatgta aatcatatta 240  
caattaaagt tcataatana taaatatcta gaacatataa attatatgtt agatntacaa 300  
taaataatct atattgtagt acaagagtac tgtttaactat ntgataattc ttttaa 356

<210> 14810  
<211> 300  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14810

gtacagagaa gagtggaagg tgccgccgct ggcaaccttt attaactcca tgagcgtgtc 60  
cagcacgagt tccttgagca tctcatctcc ctatggcaaa gcgaggacgt tgatgagggg 120  
cttaaggaac tcttcgaact tggaacggaa ccaggagaag tagatgaact cgaatggtcg 180  
tcaacagtgg agggagcggc ggcggcggag agtaaagncc cttcagtcct taaatgaatg 240  
atacgatatg tttcttcttt tacattcgag taggtaggct attatagtgt ccccttgaat 300

<210> 14811  
<211> 442  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14811

agcttgata atgtctatac atgatacatg tcanggctcg gtttggttca aggataaaag 60  
ggatgccccca cattatttcc atgacacata tgcaaaaatg atgatttggn aaatttatgc 120  
aaaactggtc atgcatgcac ctatgcgaac actcaagtgt caaattttta tggatcatgtg 180  
atgctagggc tcangattca ttntcctcta ttttaaatac acccaatgtt tccaaaatat 240

gctcttttat ccatttgtgc attcatccga gtccattttg ggcgtccggg gaaatattca 300  
cagcattcac ccttcagggtg tatacacatt tttaaaaact agttatgata agtgaatctt 360  
ttcaaagaaa atgtggaagt catctctttt caaaagcatg ttggttggtc agcttgacaa 420  
catatttttc tcttttctct ct 442

<210> 14812  
<211> 395  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14812

tcttgcgtag ccgctcttgg tgctcagaan atcccaaaa catatccctc ttattactag 60  
ctattttgaa ttcttttagtt cctgaatgta caaccttcaa attgttggtc gttccctat 120  
ttcttttctg caaaaaagaa aatcaaacgc tgtgaaacac atggatgaag tcctaagaaa 180  
atcaatatca aagaaaacat ggatgaaatc acaattaaaa agcacaacta cctatctttt 240  
agagtccttt ggtaatttg tcttgtctcc ttatgtggag gggtttagct taataatggt 300  
atactttcgc cttccaaaaa aaacttatga ctaatcctct tttcattaat ccaattgtgt 360  
atgttattgt ataaaagatc atgggttctc cacct 395

<210> 14813  
<211> 457  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14813

tgtcttatat ctagtactct catgccacag tggttgtctt ttagaccaca tataccatct 60  
tacagaatat attttatatg aacttgatag gattactcta aatgatgcaa ctgtctttct 120  
aattatgtaa catacgtgaa tatcttgaat ctcaatgcat aacatctaata tacacctgac 180  
taatgtgatg tgaattgatc gagactcggg ggtgtcacia tgaagttata cccattgaag 240  
tcgacacgtc cggaagttga attacacaga actcttgcac agtcaaata gactatgtnt 300  
gtttgtctct tgttatcgtg catcccagcg aatatacgat gaatacgtgt actggcactg 360  
tgaataacaa ttcaggatca acaaaaggca actgaaagt acccacttcg taatngtcat 420

gtcaccttac tatctacagc ttgagtggat ctatgtn

457

<210> 14814  
<211> 371  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14814

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gagagtatga tgaactaagg gacgtcaata tggccacagc tgaagccttg gaacgagaaa 120  
ccaagaatgc ccgataggaa gaacacgacc aaagcaaagt tttgaggggc tttatatggc 180  
agcaatagtg agctcaagct ctgaatatgt gaaaggaatc atcacgggtc ataggcatga 240  
tcttgaagga cgagctaaag gtttgcctta ngtcgaaaag aaatttgtcc caacagttaa 300  
tcgagactga aggggaatatg tgggccatca tcgataagtg caaagagaag ctaaattctat 360  
cggcgactca c 371

<210> 14815  
<211> 436  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14815

tattaattag tgccggtcaca ttcaaaaccg tcgccgtggt tctttttttt tatgttggca 60  
caaactcttt gactagggtca ccaatgttga agttacggac cttacggtgc aacttggtat 120  
cacacactca tgatctcggc ggcaactatc acgtttttcac gtcaaagttc ttacacagct 180  
atagttgcaa cgacacaaaag aacatgtgca tttccatagc ttaaaagtcg atgttgcaag 240  
agataatata aacaacaaaa ctaagattaa gatgaacgac gtaaaaataa agaacgttaa 300  
ctgtgagatc cataacttac ctgtcatgtt agaattaata ttntattaac cettgaactg 360  
gaaagtatgc tatgaagtct atctctggcc aattggagca ctcganagtt ctggtcaaatt 420  
aacgtttaat tgatta 436

<210> 14816  
<211> 389  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14816

ctactatnga attcaaagct gaggatgatg tatgtgtttg gagacttaac ctcaacttatt 60  
catcaactca aagggtgaatg ggaagggtga gatgcaaaat taatctcata ccactcttac 120  
attaangtaa tgctggaaca gttcgaatga attactttcc atcacatccc ttgtgagaat 180  
aaccagatgg ctgatgttct agcttcttta tcttcaatat tcatgataag tcaagaagaa 240  
gaagtaccac taataaatat tcagaattgt gttcagccag tgtactgcta agcaatataa 300  
gaagaattag acgggaaagc catgggtnta tgatatcaag cattatatga cagataaaga 360  
atatectccc acactntaga aaatgataa 389

<210> 14817

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14817

ntagatgaat attcaatgtc ataattatac tttatttaca tttttaatat ttttataaaa 60  
tgaacactct acagaagatt tttttaaaaa ttgcattatg catattttct atttcatcaa 120  
catctttttt ttacgcaaatt aagaaaatga atataataat tattttcaga agttattggt 180  
ttgttttagtc aaggactttg ggcatagaaa agataattaa ataggaaaat tattcaaadc 240  
ttaattaagt ctagtccaac aaaaatttat cagcgggttt atttagcaat tattaagctc 300  
aaactcaaat gtcagataaa tacttggaat ttcacaccac atctactcag ttatggagcc 360  
catcaccgat atatagtcaa accaataagt ccttaattca 400

<210> 14818

<211> 514

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14818

naacgcgaat ccattagaac tgccagnnaa nttagnnncg cgcgctgcga tacagtagag 60  
ctgccgcgat gcagctctac ccttatgttg ttncatgttg ctgctcgctt atctttggcg 120



atggtgatgg aaccacatgt accatcttgc gagtatccta cattctttca ctgacacatc 180  
atgtcgagca tgcttctgag gaatgattcg gtggattatg acgacggatc aaagattcct 240  
ctgttcttgg agggatgacc atcgacatga ccagatctac tatggttctg atactcccag 300  
gagttctaga tatgctcctc gacatgttct tgcattactc ggaggacgtt catggcgctc 360  
tgatagatta tctacactta caatgcacgt ggattgctgt tgatgacact aaattctata 420  
gtgtgctcat atgaggaaag acaaagaatc tccttctccc tccgcaggaa tgtctttcga 480  
gactagaata cactcgcaac agacctctat aatc 514

<210> 14819  
<211> 447  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14819

ntgaatgctc tattcaatgg agttgacaag aatatcttca gtctgatcaa cacatgcaca 60  
gtggccaagg atgcatggga gatcctgaaa accactcatg aaggaacctc caaagtgaag 120  
atgtccagat tgcaactatt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180  
tgtattcatg acttccacat gaacattctt gaaattgcc aatgcttgac tgccttgga 240  
gaaagaatga cagatgaaaa gctggtgaga aagatcctca gatctttgcc taagagattt 300  
gacatgaaag tcaactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360  
ctcattgggt cccttcaaac ctttgagcta ggactctcgg atagggctga aaagaagagc 420  
aagaacttgg cgttcgtgtc caatgat 447

<210> 14820  
<211> 388  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14820

ctctaataatc tcccacactg tgtgggggtgg ccattcttgg atggccttga tattctcagg 60  
gtccacttgg accccatttc taccaactac aaaacctaag ataactatat tatctacaca 120  
aaaggtagac ttctctatat ttgcatagag ggtgtttttc ctaaggactg aaagaacttg 180

tctgagatgt cctaagtgat catctangct cctactatac acttaaatat catcacaata 240  
aacaactaca aatctaccta tgaaatccct taagacatga tgcataagcc tcataaaggt 300  
gcttggtgca ttagatgagc ccaaagcat cactatccat tcatacaaac cagacttggt 360  
cttgagagca gtgtctcact catcaccc 388

<210> 14821  
<211> 409  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14821

ntgcggatnt ggtctttgcc agtgaaagga tcgatgtggg tcttattaaa ggcaaatnta 60  
ntcatcctgc ttggacgaat gagaaaactg gggcaaatga agaggggtgag gatgaagtan 120  
aagcccatgc tgtgactgcc attcctatat ggccaagttt cccaccaacc caacaatgtc 180  
attactcagc caataacaac ctttctcatt acccaccacc cgatcatcca caaagggtcat 240  
ccctaaaatc aaccacaaag cctacctacc gcaattccaa tgacaaacac cacctttagc 300  
ataaaccaaa acaccaacca agatatgaat tttgcagcga gaaagcctta gaattcaccc 360  
caattccagt gtcctatgcg aacttgctcc catatctact tgataattc 409

<210> 14822  
<211> 259  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14822

tataagttac agttaccaga acagtctaag atacatccta tnnttcatgt ctctttattg 60  
aaaaaagcta ttggggaata ttctgtgtta ggagaacttc ccaaggaatt agaggttggt 120  
cctgttgatg acatatatcc agagaaggtt attgggtcaa ggctgatcac acaggggggt 180  
gtctcaattc ctcagaacct tattcaatgg aagaataagt ctagtgagga tgttacttgg 240  
gaagacgatg ctgtcatatc 259

<210> 14823  
<211> 371

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14823

ctaactacct tгнаanntcc attanchant ccgntgaaan gnnttaaatt aaaaacttat 60  
tccanannaa anaaaccgaa ttttaataaa tgccccccaa ccaannaccn naanaaaaaa 120  
ccaaaaaaat ttaacaatta ccttctccac tacactctct acccccacct ccaatattac 180  
cctttattac cactatcaaa tctatacncc ccttactctt cctacctctc tctctctct 240  
ccccacttcc ccctcctcc cactaccatc tccccacttc ttccccctc tacttcctc 300  
ccattccct atctacccc ccattcttc canatctcc cctacctctt tctctctct 360  
ttctccccc c 371

<210> 14824  
<211> 442  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14824

agcttagctg ttatttatgt ttcaagccca aatgaccctt gcatgagggg atgtgttatt 60  
cacaatcatc attggtctc tagctaactc gttaagcttt taagattatt ggttcttgac 120  
atgttntatt cagatgctct ttgtgggtct atttataaac catatgcata caatgtgaaa 180  
tgtttcatct attcttgaaa actgattcct tccataaata gccttaagtc actgttaatt 240  
tttctgaaat tgggtccaagc ggactggaga gaggacatta attatgggtca tggttataga 300  
ttggaanaat cctttaatat cagaatagtc tccctgctca aattttcatt atgatgataa 360  
tttaagtgt catattgtac attggtttgt tggattgcag aatactttaa cccattcctt 420  
ttcaggatca aactgcatat at 442

<210> 14825  
<211> 450  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14825

tccctantta ttggatatat aaaaataatt ttttattctt tcattagnna aataaccaag 60  
 taagacattc atttattttc gaaatcatca ttttaatgta tttattttct aatactatga 120  
 aacccttatt ttaattaaaa aaatcttttt ctttcattta ttttaattttt aaaaactcta 180  
 ttaattttta aatnttttta ttttaaaaaa aggggtgtta caaagggaag aatttgtagg 240  
 gctctgtgtt cttgctgcaa atgcaacctt gctgcttcag tgcttctttg ctaattactg 300  
 gggcattatt ttggttacac tgtttgtctc tcccacgtta atgaataatt tatggcaaatt 360  
 gctanagaca ctggttagta agaaccttat ttattgatna acaaanggae tgatttcatt 420  
 canaacttac ttattatatt tggatatat 450

<210> 14826  
 <211> 395  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14826

agcttccttt atattatttc tatagaagct agagcttagc tacacgtacc tctctaatag 60  
 ctaagctcac ctccctgaga tgagaagcta gagcttagct acacaccnc tataatagct 120  
 aagctcacc ccatgaaaaa atacatgaaa taataaaaaa tccctactac aaaggctact 180  
 caaatgcct cgaaatacaa ggctaaaacc ctatactact agaatggcca aaatacaagg 240  
 cccaaacgaa ggataaacct attctaataat ttacaaagat aagtgggctc atacttagcc 300  
 catgggctng aaatctacc taaggctcat gagaacccta gggccttccc ttggatctct 360  
 ggcacaatct acccgagtc ttctatccaa tgctt 395

<210> 14827  
 <211> 370  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14827

cttgtagctt caatgcaagg aaacatgctt atggctatga atctcaaat tggttataga 60  
 gttagaaaaa catgaaaatt aggatttgct tgtgagagta tttgctcgaa ttagggctgc 120  
 cccatgtttg atacttcaca tagaggcagc gtggaaaata ccttgcaata gtgtgtatc 180

ataggtaaataaaggagta tgaaattcct agcanagtgt gaatgaatgt atgatagcat 240  
 ggaatgccct cttgaatgaa aatgtgtgca ggatgtaatt agctttccga tatgcatata 300  
 aataaatatg agagaaacaa tacaaacttg tatggtggac ttcacatgta tgtaagtagt 360  
 ttgtgatagc 370

<210> 14828  
 <211> 491  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14828

gggagtctcg actgcatgan cacgtgtntt taatataccc ctctgtggac atagtgccga 60  
 ttgtagtgc aacacccgct ctttttatgc ttctncattt tccttggggg ggggtcatat 120  
 caatggactc ccaaaaacaa ttcactgtgt ttacaatggt gactgatgca taatatcata 180  
 ctttcacctc ccaacacatg tgaacctcat gggttgcata ccttctttta tattatcagc 240  
 ttccattcac tccagccaga taatctattt atggattatc aatcagctat tcaaagtcgt 300  
 caaacatgt ttatattgac gcacaaaaca tatcgaatca ttacggcata tcgattgcga 360  
 aaaacacata atggccgttc taacgctggt cacttggatc ctactccac tttctgatgt 420  
 ttatccaaga cgtttcttct gtcaattcat acttaatat caagttgaaa tgtgacattt 480  
 ttcccacctc g 491

<210> 14829  
 <211> 408  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14829

aacgnnnacg cnggatagt aggagttagt aagtattctc ttctcgataa atagattgtc 60  
 taaaagatta tatctgatct tgtcgtcttt gcagtcaact tgataacaat gacttttgtg 120  
 gatatagcat tccacaatct tatggcaata tctcaaaatt gcaaaattgt aagtgcata 180  
 tgtgattcca tgtttgatg tatgatgcca catacaagta atggagctta tgtgatgag 240  
 cctttatctt catgatgga gtgaaatacc agtctacatg ccattcttgt atataaatct 300

tcaattggag aaaaactttg tacgagatta ataatatatg tcaaacattc aactacatta 360  
 ttactatggt tctataaatg atattaaacg ggcaccactt ttatatct 408

<210> 14830  
 <211> 293  
 <212> DNA  
 <213> Glycine max

<400> 14830

atagaaggta tgttccta at ttctctacaa ttgcatcact ctctttatga tctggtgaag 60  
 aagaatgtgg catttacctg tgggtgaaaa caagagcaag cctttgcttt gctcatagaa 120  
 aagctgacta atgcacctgt tctagctctt cctgacttgt ctaaaacttt tgagctataa 180  
 tgtgatgcct ctggagtggg agttggagct gtattgttac aacgtgggca ccatattgct 240  
 tattgtaatg aaagacttca tagtgccacc ctcaactacc ccacctatga taa 293

<210> 14831  
 <211> 415  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14831

taatgaaacg gcgagatgat gcactccatg agaagttgga tcanatggag aatagagatc 60  
 ataatgaata agaaaggagg agacgatgga atgatggtgt tcctagacaa aaccgaattg 120  
 atggtattaa actcaacatt cctccattta aaggaaagaa tgatccggag gcctacttgg 180  
 agtngnagac gaanatagag catgtttttt catgcaacaa ctatgaggag gaccataagg 240  
 tgaagctcgc cgccacggag ttttccgact atgctcttgt gtggtggaac aagctacaaa 300  
 atgagagagc aagatatgaa tagccaatgg ttgatacatg gacagagatg acaaagatca 360  
 tgangaagcg gtatgtgccg gctagttact caatggactt gaaattcaag cttca 415

<210> 14832  
 <211> 442  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14832

gagcttatta anacccttaa aangttgccc cattttcgag nntgcngggn nnnanaatna 60  
 cctccnnata caacatactg ctatTTTTct gaccatagaa ttatcacgc tgtctttata 120  
 attttggtt cccaataaat gcacctatct actttctttg aaagtttgac cataaaaaatc 180  
 tctatactct ctattaaatt tcaacctcta cacatatatg cacttgaatc ggacttcatt 240  
 tgaaagtttg accattaaat ttctatgaca ttcttttttaa tttcaacgtc tcatatatta 300  
 tcgccataat cgacctctg ctacaattat accatttaat atctcacact tcngtattaa 360  
 cttaaactct catatatatc ccctaacctt attctgtaaa attatacatt taaattcaaa 420  
 cttcttttaa ttcaaccctc ag 442

<210> 14833  
 <211> 382  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14833

agcttgtctc ttagatgtcc aggaangata aggcgggcca agggactagt tccgctcctg 60  
 agtatgacag tcaccgcttt aggagcgctg tacaccagca gcgcttcgag gccatcaagg 120  
 gatggtcgtt tctccgggag cgacgcgtcc agctcangga caacgagtat actgatttcc 180  
 aggaggagat agggcgccgg cgggtggacat cactgggttac ccccatggcc aagttcgatc 240  
 cagaaatagt ccttgagtn tatgccaatg cttggccaac agaggatggc gtgcgtgaca 300  
 tgaggtcctg ngtaaggggt cagtggatcc cgtttgatgt tgacgctatc ggccagctcc 360  
 tgggatatnc attggtgttg ga 382

<210> 14834  
 <211> 198  
 <212> DNA  
 <213> Glycine max  
 <400> 14834

ctatgttgga tttaaaattt ttataatctg ttaggaaggg cttaacattt ctggataaaa 60  
 taatttcttt actgaaaagt agtttaatga aagacatggc taccattccc gtaccactta 120  
 cggcaccaag aaatggcgac tacataacct tatgagcgac cataatactt aatagattaa 180  
 agatcagcgc tcacacat 198

<210> 14835  
 <211> 365  
 <212> DNA  
 <213> Glycine max

<400> 14835

agctttcttt ttgataagaa gaggaacac attatagttg gccacttggc tagctagcta 60  
 actactaaac tacatctctt gcctttttct tggagccac tatttgtatt ttcttgtcaa 120  
 caatcaaaca ctagtttctt cttaagtcg aacagatcat cgaagtgagt ttgtgtgat 180  
 agaacaaagt cctctccact acattccttg tctctctagc ttgtttagca aagctgtgat 240  
 tagtgcattc ctcttctcag ccctagcttc ttccctaacc ctcttttgtt cctcccttcc 300  
 tctccatctt tcttccatca ttatcctctc attctccaac acctgcatgg ctgacctaca 360  
 ctcca 365

<210> 14836  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14836

accatatctt tgagtaggtt tggcctgttt tttctcttta tcctttgcta gcatatagtt 60  
 tgtgagactt tctgantttg atttancgtg tggttccctt tcattctgaa tgggaacttc 120  
 cctagagttt gttactcctc ctaaaaactc cacctcaagt tgggattggg ttggttcttg 180  
 gatctcaaca acttgaatag ttttcaccaa gattgtcatt tcttctctt taaatacaac 240  
 atcacaactg ataaagcatt tagtgaaact caattca 277

<210> 14837  
 <211> 359  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14837

agcttatgtc tggcttagta cagatntgag catatataat actcctaaca attgatgcat 60  
 actaaattgc ttccatttgt tntcgttcca tatcatttct aggacattgt gcgagactaa 120



atttgtctcc tttctgaatt ggaacgggtg atgctgagca cttttccatc ctaaactct 180  
 ctagtatttt attgatatat gctttctaag acaagcctaa caatccttgt gatctatttc 240  
 agaataattc tatccctatc acatagcttg cctcaccat attcttcatt ttatagttac 300  
 tagaaagaaa cttcttagtg tctgaaaaaa ctatatcatt agttgcagca ttatcatca 359

<210> 14838  
 <211> 366  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14838

tggaacagga agaagccatc agcaaagcac ctaagggctt tggtatctat atgctacatt 60  
 catattctag acatgaagag gcacaagctt gaagacaaga ctatacgagg tatcttcctt 120  
 gggtagtagca atatctctaa gggctaccgt gtctacaact tgcaactaa gaaactcgtc 180  
 atcagtcgag atgttgaagt tgatgaatat gcttcttgga attgngatga agaanaagt 240  
 gagaagaacg ttcttatacc tgctcaacta cctcaagaag aagatgagga agaagacca 300  
 ggtgaaccac cttcactctc caccacacaa caagatcaag aactatcatc acccgagtct 360  
 actcca 366

<210> 14839  
 <211> 439  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14839

tttaagtttc agttgactaa tacttgtaat tagttaaagt taatgaaact tggtagtttg 60  
 tcaataattg aacacaattt cagtggtaga gatgaactag tataaatctt tgtaacttat 120  
 atgtttcctt gtgtttttct gctttaaagt gacataaggt ttaaatttga ttttgttttg 180  
 gaaagttcta tttgttttac aaagtttctc ttcanatgat aactttgttt tgttaaaaaa 240  
 agacttgaaa attttctaan accacaattc aatctctctt cttgtgatat ttgcatttac 300  
 aatatatata tatatatata tatatatata tatatatata tatatatata tatatatata 360  
 tatatatata tatttctaaca actctctcat tgtctaaagt ctaattacga gttgactgtg 420

cccatcaaga atattgctg

439

<210> 14840  
<211> 269  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14840

tgcttcanag agatccagta aggataaagc ggctgattga actctgttcc gctcccgaat 60  
atgacagcca tcgttttatg agcgctgagc accagcagcg cttcgaggcc atcaagggat 120  
ggtcatttct ccgggagcga cgcgtccagc tcagggatga cgagtatacc gacttccagg 180  
aggagatagt tcgccgacgg tgggcacgcg tggttacccc catagccaag ttcgaccag 240  
acataatcct cgagntttat gccaatgct 269

<210> 14841  
<211> 518  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14841

ngggcatgga ctgacgctgn acccctggca aantcagccg agtcccgcga tgctctagag 60  
atacctgcag gctagctgcc ngctcgttat cttctgtttg cagacataga ccaccgcga 120  
cccttagcat agtcatgcca aacgactact ctgcatggtc aacgcccacc atatcatgac 180  
tatcccgggc atgacgatag ggaacgacat gccaatcttg gcccccttgt ccacctaaga 240  
gatacgtcta cccatgaact accagcgtca aactgcggcc gacatatccc ggactcacc 300  
acacccggaa gctaaactga ccggtgatca cttgatacag taaagagcga cgctcttgat 360  
gagacgatat gatcttacta tggacatgac tcttacacca ttgtcggatg tatcccatgg 420  
atctatcgat ggccgacacc tactcctccc cgatgagagc ccggactttg ctctatcgtc 480  
aggcgacatg actaatgaca cctatagtgt atcgcccta 518

<210> 14842  
<211> 330  
<212> DNA  
<213> Glycine max

<400> 14842

gactggaaca tgacctacat ccctatccta tcttattgtc tgtacctcag cagatgacaa 60

tatcttttatg ctctggacac agcttacaaa ttctctacag ggaattataa gttcaagaat 120

aagataataa acctgaataa gagtaaatag taggggctat gaactacaag gaattgacta 180

cttactccca agggctcgta ccaacaagaa gaatgtcggt ttccatctta acactccac 240

ttttcctttc cattcccact aattattgca ctgctaatag ttatgaataa cttcttcagt 300

catttaatac tcacaagatt caatatgtga 330

<210> 14843

<211> 404

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14843

tgctttctcat ggaagtnntc ttaagaaagc ttctcaagga agctacctag tctataaata 60

gaagcatgtg taacacttgt tgtaactttg atgaatgaaa gtcttatgag atacacttca 120

nagttccact tctttccctc tnttattcct tcaatntcgt gctccccct tctctctttc 180

ttttcctcca ttaaagcacc ctcttcaagc ttcttatcca aggccattct tgggtggtgaa 240

gctccttctt ccttggttta ttccctagtg gatgggtgcc tccctctcct cttctccttg 300

cctttcgctg catctncatg gtgaaaaatc accattgaag gacctcattg aagctcaaag 360

atccaccctc atagaagctc acaagcaagc ttcacatga catc 404

<210> 14844

<211> 272

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14844

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atgtcctaac ctgaaacaac agattntgag cctatgctag agctattatt gacagtagca 120

attgaataag agaagtcagc atttgtaaca ggggcagaag tagacatcag cagggaagga 180

ttgccttgaa gctggagatt gtgaaatgaa taaatgccat caacaccac aactccttga 240

aggaggacct tatgtgtctn ctgagatttc ac 272

<210> 14845  
<211> 398  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14845

agcttatacct tatgtgtctg cctccggact tcaccccccg tgccacctcg gaagatttaa 60  
gccaagcccc tactttcgag gggcaactcc caccttatga agactatccc gggcaagacg 120  
atagggaagg agataccaat cttggccccc ttctccacct canagatccg tccccccatg 180  
aactacccca gccaaacata gtccaccata tcccggcctc acccacaccc gtaaaagaat 240  
ctgtcccctt cgcggaagat aagggaaga ttgaggcgct tgaagagagg ttaagagcag 300  
tcgagggcct tggcaattac ccattgtcgg atntagecga tntatgtctc gtgccaata 360  
tcgttattcc tccaagtcc anagtaccgg actttgat 398

<210> 14846  
<211> 460  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14846

ccaccagct cgcccaggcg agcaagggtg ctctctccag attcaacaac cttctggagg 60  
aatcttctgg agggcccaag tgggtctggt tgctatttgc accccctttt tactaaatgc 120  
accccttttt ctattttttg taattctttt tccgtaacgt tacgaaactt tacgaatttc 180  
gtaacgatac ttattttcct tccgtaaggt tacgaatcct tacggattat gtatttactc 240  
ttttttacct ttccaagaag ttacggaaac tcacggattg cgcanaaaca cctctttccg 300  
acttccgcca cactacggaa tttcacggat cagccagcc tgcttctttt tggatttctg 360  
agacgtctcg ggacttcatt tattgcatgt catcaagtaa taatccctgg acgaaaatan 420  
ggtatgacag taccaatata ctcccccaaca atatcactac 460

<210> 14847  
<211> 431

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14847  
  
 agctnctaata tanatanttt gaatatccag aagattcatg gtgagccatg atagcaataa 60  
 gctagtacat ggagagaaat gataacaatc gaaatccata tatcgaaaag cactaagaac 120  
 acaaccgggc aaaagaaaca catattccaa tccaaattca gctcagataa gaagaacagn 180  
 aaatagaaag aaataaaaaa tatataaata ctaaccagaa atgaggataa aaggattggc 240  
 atatccagca tgagactcaa ggaatggaat ctgctaaagc cctcaaaaga tgaactctag 300  
 aataagcaac aaccagagag ttgtaattat ttattgagaa gcaagtagat tcgaatagtt 360  
 aacagctcaa aaacgcaata gatgtacagg gtagatgaaa aatanaacat acacactatg 420  
 atctgaagaa g 431

<210> 14848  
 <211> 444  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14848  
  
 aaaaaacttc agaatttgga tattgaccta tatttgttct ccttttattt cataatgggtt 60  
 gtcttcaatg aaagagtatg tcatcgactt tatacactgt tctatagaat ataacctggc 120  
 aatgaanatc ttatagcaga tcttttgttg ctgcagtggga gtttgcgatt gatgcctcca 180  
 ttaatggtga gacagtagga tatgctacta tagtgcagat taatagcagc acagctgatg 240  
 gatacaaagt gggctgcagt tcttntaatc ctgcttataa acaaggatcat gatgataata 300  
 taactcaaga ttcttctgga ggggacacaa tcccatcagg aattcctgca gtatcggttg 360  
 cgtcagttga tgagccctat gtgggccagg agtttgaatc tgaagctgca gcacatgcat 420  
 tctataatgc atatgctaaa cgtg 444

<210> 14849  
 <211> 392  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations

<400> 14849  
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 agcttgagtc tgacctttat ggtagacaaa ccaagtcgag ccgagcctta catagaccga 120  
 gccaaagacc ctcgataagc tgctcgactc attntcacca ctagacgtaa ccaatcaaaa 180  
 gttcaagatg tattggaata ataataaagt catcactgaa gtgtgtgcta gttattgagt 240  
 aatacacacc aaattaatca attcaatgat aagcattagt cacattaatc acattcaata 300  
 caattattaa aaaattatct atattttaca tattcgagat atattacata aaataatatg 360  
 agaaaatata ttacatattt tagataaata aa 392

<210> 14850  
 <211> 355  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14850

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 tctctatttc gaatntgcta ggaaaaatcg tttccgtgaa gacaaatcat gccgaggcgc 120  
 tttcgaaacg ttttcgtgag gaatttcgag aagggttcga ccgttcttca acgttcttca 180  
 ttcgttcttc atcatccttc gatcttcaat gggtagtac cttcaaccaa gcttttcgat 240  
 tcattccata taccctgggt ggtccacatt gtgtatcgtg tatctttatt ctcgtttcat 300  
 ttacttttat acaccttctt gacgtgctta agcgcattta tttaagtcac ttctc 355

<210> 14851  
 <211> 184  
 <212> DNA  
 <213> Glycine max

<400> 14851  
 cctcatatat tgccgggtcaa aagtctggca atgttttcca gaagcttttt actcatatat 60  
 tatacatggt gatgactatg aatttgaagt cagttattgg aaaagtgatt actcccaacg 120  
 gatgtaatat cttttaacgt aaactatcta ctatggatga aatacacctt attttaagct 180  
 attt 184

<210> 14852  
 <211> 297  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14852  
  
 agcttggcat ttgtttagat tcactngaca ggaacgtctg aactcgacag agtggctgcg 60  
 agcgatggca naagattgtg gaacagagct ttcaaccttc cagcagagaa agtgtactgg 120  
 ttgatctcct canaagattc atcccgtggc acataaacag gatgaggctn ttcaattcta 180  
 ctctcagaca gtggatctaa ttgcattgac attgcaccaa ttacacaccc cattagacat 240  
 gctatttgct cattccanaa cccaacacaa aaagtaacta acaagaaagc aaattta 297

<210> 14853  
 <211> 320  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14853  
  
 aagcttgata aagtttccac ttcccgtggt accggcaaag agatatttta ttattgtca 60  
 accacattgc aattttaagt gtatttttgg aagaagaaaa aatgtttttt taaataaaaa 120  
 tattatttct catacacgag tgagaaataa cacaagttct tgttcccctt tntatttata 180  
 ttgcgtgact gtgacttagc cgcacatgca acagataagg aagagcaacg tcatgccttc 240  
 acttttcaat actgcttga ttcagaanaa ataaagagtg caaatattcc tgttttggag 300  
 ggagtggagg tttcacctga 320

<210> 14854  
 <211> 517  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14854  
  
 cggggcggct gagccatgca gacngcaagg tgaatnagct ccggcccggg atactctgag 60  
 ccgacctgcg gcatgcaagc tttgcgtttc ttcatgatcc attacgacac gagccgcgtc 120  
 agatagacat gacggtgctc tcacgggcca cggggagata gacaagaccg atgactctct 180

cagagaagag gatatggacc gcatacgaag aatgtgcccc ttgccttgt actaggtgcg 240  
 tggcttcgtg aacaacccca gccaaaggtg atgcctcatg ggctatacac aaccctgacc 300  
 catcccatgt gcacctcgcg tagacatata aatggaattt atcctcgcg ttgctaagac 360  
 gcaaagagca gtagacggcc tcgtcgagga ggcggagacg gatatcacga aggacagcc 420  
 tttgccatgc caciaagtgg atgacgctta ccaactctga ggacctgtta taacggaagg 480  
 acgacattgc tagggggcct atgacattag gtgcaag 517

<210> 14855  
 <211> 517  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14855

nggggtcttt ttggggctgn antacgtgac nttanaatac tatacttaag cgtctattac 60  
 gtcggattat cgcattgtcca atgcattgatt gttgtatggt tagtccaaac aaaatcgatc 120  
 gtgacaatta taattgattt tgacaaagaa ctcaatgtgt tatcaatata tatattttct 180  
 gttaaactgt atcaaattaa gttactatac tttaatatgt atgaatgagg acgttacatt 240  
 caatacatgt ctatatatat atatatatat acatatatat agctatgtat atatatctct 300  
 atacatagat actcgaaagc ggaactctag aatgcacgat gaattctcac aagagagaga 360  
 atattgatgt gctgataca atcgagtgc caaatttatt gatacaacac catcataaca 420  
 tctttctgag tactagatta acacacattt gtctctctga atagaaacat gctctcatga 480  
 ttttgacact gcatgcgctt cgcattgtta tacatag 517

<210> 14856  
 <211> 421  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14856

agcttttaat tattctagaa ttttaagggtc aaccttaaga tgttgccaaa cttcataagg 60  
 aaattagaac cttanaaaact acattagcca aatntgtcaa tggaatagat aatcttaaca 120  
 aactattang gcactatata agttcctcaa acaaactctag aatggatat gatgggaaga 180



tctatgttca taataagaat actattatTTt gttatntttg ttgtaagact ggacacatga 240  
cgcccaagtg tagagatcga cctaagaagg gtacaaccaa tacctctatg gctaacacaa 300  
aaagacccan aaagatttgg gtacctaaga aaaagattat tcctattgca gatgtccttg 360  
atagcagaaa gtagatgcct atcatggtac ttggacagtg gctgctaacg acacatgaca 420  
a 421

<210> 14857  
<211> 444  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14857

tcattgggaaa ccagtgggtg gaaggcaagg ttggatgggtg aatttatgtg tgaaagtcac 60  
aatcatgaat tggccaagtc attagttgga cattcatatg ctggtcgatt gactaaggat 120  
gagaagacaa ctattgttga tatgacaaag tcaatgggtga aaccaagaaa caatctccta 180  
acgttgaagg agcacgatgc caatagttgt acaacaatca aacaaatata caatacaaga 240  
agtgcataatc gttcttccat aagagacaat gatactgaaa tacaacatct aatgaagctt 300  
cttgaacgag atcagtatat tcattggcat atattanagg atgaagatgt tgtatgtgat 360  
atcttctagt gtcatactga tgcaatgaag ttatgcaatg catgtaattt ggtgtttttg 420  
ataggtagta ccctacaaac aaat 444

<210> 14858  
<211> 397  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14858

agctttaagt gataatggtt caaagccnca ctttgagggt gtgtctctgt ttcttcttct 60  
gtccatgaaa cttctctgtg tcacttgatg aatgagcccc acttaaaaag tttgaatatt 120  
gaggtgaatt atctttctgg gtgtttttca agagagcaag ttcttgaagt acttgggggtt 180  
tatgtggaat cctctgtctg gggttatggac gctgctgcta taatggcaat tgcacttgcc 240  
aatgganggg tgagttgagc aaattcaatc ttgggagttt ttaatcacta tgggttgatgc 300

tccatagatt atcttttaaat ttttttttat gcaggtgagc cccctgattg gcaagatttt 360  
gttggatcat caccttgctt ctcatcaatt cactatc 397

<210> 14859  
<211> 314  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14859

acatcaagag cacaacanag aaagtagtga tatagttatt tcttcaaatt atggcagtgt 60  
tgaaatgccca caagaaattg aatgtgagga acacaatgtt gttgatgagg gaaggaatca 120  
tggtcatgaa caacataagg aagatagaga gaagaagaaa gaaagaagaa atgataatgc 180  
acaacacatg gatgattatt attctaaaaa attgacaagt aagttggagc ataaacgcga 240  
catgtcaaga gctctatagg aggtttgatg agaacaaagg agttgtacaa ctgcagttgt 300  
ggccctttct tttg 314

<210> 14860  
<211> 384  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14860

agcttgtgat tggctataca tgatacatgt canggcttgg tttggttcaa ggataaaagg 60  
gatgccccac attattttcca tgacacatat gcaaaaatga tgatttggaa attttatgca 120  
aaactgggtca tgcattgcacc tatgcgaaca ctcaagtgtc aaatttttat ggatcatgtga 180  
tgctagggct caggattcat tttcctctat tttaaataca cccaatgttt ccaaaatatg 240  
ctctttttatc catttgtgca ttcattccgag tccattttgt gcgtccgggg ataatttcac 300  
agcatttacc cttcaggtgt atacacattt ttaaaaacta gtaatgatca gtgaaatttt 360  
tcaaagaata gtnggaagtc atct 384

<210> 14861  
<211> 319  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14861

tactaagctn tgaatgctct attcaatgga gttgacaaga atatcttcag tctgatctac 60  
acatgcacag tggccaagga tgcattgggag atcctgaaaa ccactcatga aggaacctcc 120  
aaagtgaaga tgtccagatt gcaactattg gctacaaaat tcgaaaatct gaagatgaag 180  
gaggaagagt gtattcatga cttccacatg aacattcttg aaattgccaa tgcttgact 240  
gccttgggag aaagaatgac agatgaaaag ctggtgagaa agatcctcag atctttgcct 300  
aagagatttg acatgaaag 319

<210> 14862  
<211> 338  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14862

agcttttggg atcttgtcgt tgattggcac accaacggat gcccttgac ctgcaaaaat 60  
ttcttgaagc tttgcaagta agtgctccta attcctcttt ccataaccct aaactctttt 120  
tcaattntat tatcgggtct tcattcctta ttattattcg ataatttttt ggggtgcttct 180  
gaaacaaaaa cccttattgc tcaacgaatg tgtggttttg gaagcaatat ttggtagcat 240  
tttaagcggt taaggctact gaaatgtgtc gtttaagaat tagaaaataa gagaggatag 300  
gggtggttttc ttattgctat gttacattta tgtgatgg 338

<210> 14863  
<211> 277  
<212> DNA  
<213> Glycine max

<400> 14863

tactaagctt gccgaatagt ttcgccgga aggatgaagt tgttttatat aggcaattga 60  
ttatcctgct gtgagaatgg aagcctaagc aaatggagag aataagaagg agagaagacc 120  
catgctgtgt ctaccattcc tacatggcca aatttccacc tgctcaacaa tataatactt 180  
accaatatca gcccttctca ttacctacca cctattatt agacacccat catcacaagg 240  
ccaccctaag cagcacaaac ctgctactgc atattcg 277

<210> 14864  
 <211> 512  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14864

nnnttcgggc tggacctaca gctangcann acangggagt tgagctcgta cccggtgtca 60  
 cccgagtcac ctgccgcatg cttctttgct tatcangatc gacagtagat gaagatggac 120  
 atcatcctca agccttgaag cagcagcaag ctctcactc tcaagaccct gcacactatg 180  
 cattacaaga taaaatatgc ttacgaacca tccattgtct tcattctagt gttacagctc 240  
 aagcctatga tgtaatccag agattcagat caacatctgc aaaaggcgct tatattctac 300  
 aatcgatcat ctcatgtgtg gtttataggt gagttgttac canattgatt ctgcgtaaaa 360  
 ctaattctaa cgtgatgcga gtcattgtcg atgttattat tcgtaaaca agtactaaca 420  
 aactcagtat aaatgtagct agatgctgga accaaaatgt gaaacttatc gtgatgcacg 480  
 taactgggta tataacatga atcaacgatg cn 512

<210> 14865  
 <211> 360  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14865

tactcagcta cgcatttaat ccnattaaat ataggtgtgg cttatcttta tttaatccaa 60  
 ccaacacatt gtgattgtgg tgggaagaca agaataattt acaggaggagg tagcagcatg 120  
 gtaaggaggagg agggcaataa cgtaatttga agtggtgtga aaattacttg acaggcaatc 180  
 tttgtctcat atgcaataga gttacacca aggcagcaca caacacagcc attcccaaag 240  
 agaaacaaac acagttgcat tggttgaatt gcaactaata tccgcgcctg tgatcgcacc 300  
 ttcatttcan aacctgctcc atttttttct ttctttcttt cgcattcgta gctctatctc 360

<210> 14866  
 <211> 137  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 14866

tgcttgatgc ttctatangc gangaaaaga gtaatggcgt gggagagaag atgtgcaagc 60  
tctctgatga atatgtgagt gtaaagtcaa gttcatctac tacatcaagt tctcaacaac 120  
ctactgtgga agaagat 137

<210> 14867  
<211> 216  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14867

tgtaagtcac aagtgtttgg tgggtcttct atgataaaaa ccttgggcgt ttctgtatcc 60  
tttactcatt tataattgtg caatntgtct ttattatttg gctaaattac tattttggtt 120  
tanaactact tccacaatcc atgacccacg caacaaatcc aacttcgtcg aggctgaagt 180  
cttgttcgat ggccataatt atgttgtcgc tctcgt 216

<210> 14868  
<211> 363  
<212> DNA  
<213> Glycine max

<400> 14868  
agctttctgt tgagacttct ttgagaagct agatccttat ctatgcacac gcctctatta 60  
actaaattaa cttccttaaa cataattaca gatgaaaata acgcaacgta taatcaaaca 120  
tcaaacataa tgactaataa tatatagata tatatatcac ggtgtgacac tgtcgcccct 180  
tgtgacgaat atgtgggggtg ctaatacgtt ccccatgcgt gaatacaact cccgaacctt 240  
tcaacttaaag ttcagagatc tcactctttc cggattttcc aacgtgttgc tcaaataaac 300  
gttggcggcg actccgcgcg cattcctttc ttggaagacg caccgcgcgag tcacgtgtcg 360  
ctc 363

<210> 14869  
<211> 392  
<212> DNA  
<213> Glycine max

<400> 14869

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gatgggggag cacgagatag aacgaatgaa agagggagag aagtggatct ttgaagtatg 120  
tctcacaaga ctctcattca tccaagttac aacaagtgtt acacatgctt ctatttatag 180  
actacgcagc ttccttgaga agctctcttg agaaaactta cttgagaagc ttctttgaga 240  
aaacttcctt gagaagctag agcttagcta cacacacccc tctcataact aagctcacct 300  
ccttgagaag cttccttaag aagattccta tagaagctag agcttagcta cacatacctc 360  
tctaatagct aagctcacct tcttgagatg ag 392

<210> 14870

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14870

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agtcgaagag aagttcaagt ccatagccat caaagtctga aaagagtatg atgaactaag 120  
ggacgtcaat atggccaccg ctgaagcctt ggaacgagaa accaagaagg cccgaaagga 180  
agaacacgtg ccagcaaagt tttgaggggc tntatagggc agcaatagta agtcaagct 240  
ccgaagaggt gaaaggaatc atcatgggtc anaggcatga tcttgaagga cgagctaaag 300  
gcttacctta ngtcgaanag aaatttatcc caacagttaa gcgagactga agggaatatg 360  
tgggccgtca tcgatgag 378

<210> 14871

<211> 452

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14871

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tgccccacat tatttccatg acacaaatgc aaaaatgatg atttggaac tttatgcaaa 120  
actggtcatg catgcactta tgcggacact caaatgtcaa attnttatgg tcatgtgatg 180

ctagggccca ggattcattt cctctatttt atatcaaccc aatgtttcca aaatatgttc 240  
 ttttatccat ttgtgcattc atccaagtcc atttcgggcg tccgggaaaa tttcacagca 300  
 ttcacccttc aggtttacac acattntttt tccanaaac tagctatgaa ttagcgaatt 360  
 ttcttcanag aaaagttgga agtcattctt tttcaaaagc atgtttgggt ttcagctaga 420  
 caaactattt ttcttttttt tctccttttt tt 452

<210> 14872  
 <211> 300  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14872

caaaaaatgc ttgggagtat gtcattgatt gcctaggtag tctgggtgat tgccttctg 60  
 aacagcagtt cgctgagtgc cttcagaagt ntcaaaggc ttgttcacct tggctaattg 120  
 tcgttgacta tgttaacgaa acctagataa tcccacacaa gaaaaaattt attacagcct 180  
 gaatgaataa ggtgatgcac ttangcaaca caacaacaaa cgggtattaa aatgttacia 240  
 tntttctagt aatgggttatt aattcatgga atttaattgt agnatattnn taattttttt 300

<210> 14873  
 <211> 306  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14873

agctntgagc tctttttctg actcaccata aaccttgacc cagggtgaga atgtcaatcc 60  
 ttaccctcgg aagcaaaaaa ggaagagaag gataatttcc aatcaaagga caaaagagag 120  
 gatagganat tccaatcaa agagtgggag aaagcatata gatnagatag ataattccca 180  
 atcaaagaat gggagataga ttataaaaag agaaggagaa gaaggaaaga tagctcctg 240  
 tcaaagatcg aaagaaaaca gatgatatat gcagagaggt cttttgacca gacaatatct 300  
 gaacaa 306

<210> 14874  
 <211> 382  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14874

tacccatcac atgtggtact aggtggctgt ctgtcgatgg tgcacaacaa gttttccaca 60  
tccacaatgc gcgcataaac ccaccatccc ctgttgccca cctncaactg aactcacgta 120  
ctcccacgta gcccatatcc tcgtttctct ccacccgggt ccccatcaat cctcccaagc 180  
ttncacaaca tccaatcaaa acaacattca aacagcacia gctatcacag ccaagcaaaa 240  
cagagcanag gcagaaaact ctgctcaaca catcaaccaa aatcacagct nttctctctt 300  
aggaccacia gtacaattcc ttcgatccaa ttcgttaacc ggtggatcga ctccaaaatt 360  
ttactggaag tctatagtgc at 382

<210> 14875

<211> 239

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14875

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acacttncct ttcacttttt attttctaga tactgatttt tctgccaact tgtgtgaatt 120  
ttagtatttt ttccatgtat ctaaatcact tggttctttc tgtataactt gtttcagat 180  
gtctaataaa ttcagtaaac atttcagcta taaattcana gtaaccaatt ctcaagta 239

<210> 14876

<211> 278

<212> DNA

<213> Glycine max

<400> 14876

tatacgatat atgtcgacca actttgcaga ccttgtcttt accggagatt gaatctagtc 60  
cggactgatg aaaggcaagt ttgaatacgc ctacaacgct ggccccaaca gcaatagaag 120  
agccccagtg gtgggcacat ggaaaaagga aggggatacc cagcggtca ccaactgcccc 180  
aacgtggatg ataacgcccc agaatgctca ttactcatac caacacaacc acccgaactt 240  
ctcgatccga gccgggagtt cctcccaac tcaagtag 278



<210> 14877  
 <211> 442  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14877

ctatttagtc ttctatgcca tgctcgatcc tgatgtgtgc gtacgactcg tattaactag 60  
 attaacatcc ttgctcatta ttactgatga tacgatgcga gctgatgatc tateggacac 120  
 atctttggca ctcaattatg gatatgtact ataaggatta cagctgtgca cgttgtgacg 180  
 atgccgtgaa gtgctagatg gcttcctat gcgtgcatac aactaccgaa gctgccacta 240  
 atagtccgga gatctcatcc tttccgggct ttacgatgga cgactagcta tagggttagc 300  
 ggacgttccg tacgcattca ttccttgat tacactctac tgaacgacgt ttgcgtcttc 360  
 tgtctatggg tgcgtacgac actatgtata tccagtgtg aagggcacta tnttctcgca 420  
 gttatcccct atattctgggt gt 442

<210> 14878  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<400> 14878

ctgaatgcaa cagttcataa tcaacaactt taataatctc acttggatac tgagtttctg 60  
 atgcttctat atatactgaa gacatagctt tgtctctata tagcacaaga aaaaaatttc 120  
 ttcacccat aaagagaaaa tgaaccact acaattagtt aattatctaa ctgagagcta 180  
 ctattatctt tagctgtgca ttaataattc attgcaagaa gtcgaatttt gaggtttatc 240  
 tggtgaaaaa gggaaaggac caattccctg 270

<210> 14879  
 <211> 324  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14879

agctttatct atgaattgat tatagcctta gtttactct gggtattagt caattcgatt 60

aagaaagaat atccacaga acaatgtccg aatgattntt ttttattggt taatttaa 120  
 atattntttt attattatat tattattttg cctctttctg gttttaaacg tggttatggc 180  
 atgacagatc ggtcggattt tattccaaca tagattaaaa gatattaca ctctcatgat 240  
 cgggtggaaat atattttatt gttgattacg cgagaaaatg acttaaataa atgactaacg 300  
 cacgtcaaaa gggggtacgg aaag 324

<210> 14880  
 <211> 367  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14880

tgcttgtgga gcttctatgg aggatggatc tttgagcttc aatgatgtcc ttcaatgggtg 60  
 attnttcacc atggagatgc agttgaaggc aaaggagaag aagagagggg aggcaccatc 120  
 cactagggaa taagccaagg aagaaggagc ttcaccacca agaattgcct tggataagaa 180  
 gcttgaagag gatgcttta tggaggaaaa gaaagagaga agcggngagc acganatcta 240  
 aggaataaaa gagggaaaga agtggaactc tgaagtgtat ctcataagac tttcattcat 300  
 canagttaca acaagtgtta cacatgcttc tatttataga ctaggtagct tccttcagaa 360  
 gctttct 367

<210> 14881  
 <211> 356  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14881

agctnttata tatccaagat catacaaaag tggtacaaca gaacctaacg gtttctaatt 60  
 atatgggcca tcaaactat catgtgttga cggtaattga ttagcccggtg aatttcctcg 120  
 gnggttgatc acacttcagc gatggccttt gctttgacta gtagtcgagg gaggtcttga 180  
 cttccattca aggtcaaggc gaacctatcc atccacatgg tcgcttcttg atgtaatgca 240  
 tcaatcacc tcctcttgc ttccttctcg gcgtacgctt gcacaaaatc ttctaactag 300  
 ctttgttcat ggggtcaaaga ctggttaact cttccttgta ctgccctatg atagct 356

<210> 14882  
 <211> 349  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14882  
  
 atataaatac taagcttcag accaaagcaa cacataatct aggtatccaa aactcctcta 60  
 tttaatggat tntcaaggtt tgagaagtga aattgagaat ggggtaaatt tggagcaaac 120  
 tctcacctca cacgagtcta taacatcaat tgaaacttgt tcanattgga ttacaccta 180  
 aaatttcgcc gaacccaaaa ttgactcctc aacccccaat tntaccctag aaatggctct 240  
 ttattcactt tggatcatctg tttttctctc tagcacagcc caaactttct nctaagctct 300  
 anatgaaatt tcaagctagg attaactcac ttttaacctc aaataccac 349

<210> 14883  
 <211> 333  
 <212> DNA  
 <213> Glycine max  
  
 <400> 14883  
  
 gaagctttca atttttctta ttcaatgcac ttccagccac tgcataagatt atacttgatt 60  
 tggaacactg acttaataag aagagttaac acgtaaacga ataattgttat gtcgtctaca 120  
 taaaaatggt aaggaatata ccttggtgtc acaacaaaaa aataccttgt gtaggacatt 180  
 atcatataca tgattttgtg tttctatgaa tttaaaatgg tcaattgctt ctgctatgag 240  
 taagcaatct gatatacact gtgtcaaagc caccctaga ccgtcaccta ttaactacta 300  
 atatctgcaa accttctgta catacatagt act 333

<210> 14884  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14884  
  
 aaaatnanac acttagaaat gcgtcaatta ngtgtacaag ctcagggccc tataaatgaa 60  
 atacaaaatt gatttaaacy tattacaata tctacaataa ataaaagtct aacacctact 120

gatctctatt gatggcnctt aattaatttt taaatacaaa ttaacaactg aatcaattgt 180  
 cttataactc tagagaatat catgcgtcaa caatcctttt acaaacaatc ttgtatgcat 240  
 atacta 246

<210> 14885  
 <211> 318  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14885

agcttttagct tatctgttgc tgccccacaa agctccacgg aagttgtctc ggcagtggtc 60  
 ttccctacaa gccctcttgg tttctcattc caaggctttg gtggtagcca catttacatc 120  
 tctcagtttg gtattcttct ttcggattnt cagagctgct gatttggatc tttctttaac 180  
 tgtntgggct tgctcgagtt ccaccctaag ggcctgcacc tcttcgtctt cctccggtgc 240  
 ctcaacttcc tctcttttag cggttctcaa acttggaagc caatcctaac ctttcacgtg 300  
 ggcttttaac cacttatg 318

<210> 14886  
 <211> 311  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14886

tgagatgagg aagtgttgaa gggtgaaact tcttgctttt attgttgacc acagagtggg 60  
 acctggagat atgtcgcggt ggtcaggaga ccttgnggac gtcaggtggg gtgctattgc 120  
 ccaaaaccaa gcttgaccaa tcccgaacca acccgggcat agtcgggtcag tgagaacctg 180  
 tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaaa caagaccaca 240  
 aagcaaggag gcttgtgggtg gctggccagc tgtgaatttt gtgtaatatg tgagatatgg 300  
 cctctggtaa t 311

<210> 14887  
 <211> 113  
 <212> DNA  
 <213> Glycine max

**DECLASSIFICATION AUTHORITY**

<210>	14888
<211>	329
<212>	DNA
<213>	Glycine max

ntgaattcaa	aaatatgagc	cacaatgggtg	gtgagactag	ctttaaatat	gcgttcctttg	60
gaccaatctc	tgttttntga	atttatctta	aaaaataccc	atttgttttt	aatgaaattg	120
gtctggaata	aaacagataa	aattctaaac	aaattctatg	ttggatccct	tgagagatga	180
ggtcaaatta	gttcctatgt	gtgacatgca	aggcgacttc	actgttgtgc	aaatagagtc	240
tagtagtggtg	tagctntcct	tgattgtgag	tctctatggt	ggtcaaattg	aaatgggtgtt	300
tacaatttat	taaactagag	agaaatttt				329

<210>	14889
<211>	374
<212>	DNA
<213>	Glycine max

agcttctcct	tccttttcct	ataaataggg	gtaggagggg	agaacataaa	tattcaaccc	60
tcttggtatc	tgagaatcac	ttanaattag	tgagaaanat	tgttccatga	agaanatcca	120
agccgaggcg	cttccgtaac	gcttccgaga	cgtttccgtg	ggtgatttcg	cgaagaattc	180
aaccgttctt	cgccgttctt	tgtttgttct	tcgtcgttct	tcggtcttca	accggtaagt	240
tccaaaatcg	aactttcaat	ccattctatg	tacccttagt	gtcccccact	tgtttcgcat	300
gcttttattt	tcatttcatt	tactttccgt	acccctttt	gatgtgcttc	agtcatttat	360
ttaagtcatt	ttct					374

6265

<213> Glycine max

<223> unsure at all n locations

<400> 14890

tgccccgaga aggaatccac ggaagaaatg cttaccacct ctttagactg ganagcgggt 60  
tctaataaat cctctgcggc ctccacatac ggcatanagg atgggcagct caccaagatg 120  
tcttcctcgc ctgatatgat gaccagatgc ccattccacta cgaatttcaa cttttggtgg 180  
agtgtagagg aaacaactcc cactgagtgg atccacggac gcccacaacag acagctgtag 240  
gggggggttaa tgtccattat ttggaagtaa cttggcatgt gtgagggcct atctgtactg 300  
ggagatcgat ctctccccta acctct 326

<210> 14891

<211> 356

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14891

agcttaaact ttatggtaga caatttacag gttttttagt tgcatttatg tttagctnta 60  
gtgttttcaa ttntaggggt tacaatgtag tgttttagtta ggtcttagag cccaataggg 120  
gcaattcctg taagaggggt gaagaccct catttctgct ggaaatcatg atgaacgcgc 180  
taagcgtgcc agctgcgctt agtcgggttca tcgcaactat cannatttta gatttccaaa 240  
tgatcgact aagcccgacc atgtcgcgct aagcatgttc atccttctga tgagtttcaa 300  
tgaagagctc actaagcgca tctacgcgct aagcgagagt agtgtttcag acactt 356

<210> 14892

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14892

ctcaagctta tgcaccggaa atgtaattat gaaattgaga tgcccgaaga ttcactat 60  
cctagttaac catgcattag gtaccatggt caattat 120  
gateccaaca tgggtggctc gtggtgcta acacatgaaa ctaagaatgt agtgtgaagt 180  
ttcacgcttc cccctttttt gtttttgttt tgtagaggaa aacgcaagga tgagcaaaca 240

tganaacaaa tggatgcga ttntgcagat caaaaagttt gttgaacgca tatgcatgat 300  
 gatgccatga ctcatgcaaa atgtgaggct ggaatatgat aacggacaaa tgcangatat 360  
 gtccattatg atgttatgaa gagatgctta tgcgatgcat gatatgaatg 410

<210> 14893  
 <211> 374  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14893

agcttcaccg tatgtcgccg atcgaaacatt tctaaccga cgtcatgcat atttcgttca 60  
 gggattgaat tgaanactcg ttaggcgaca tctgtcgtga agtagcgacc gatatttttc 120  
 agccgacatt gcacaattct ttttagaaaa gctcgctggt cgataatggt ctttttacgg 180  
 cagagtaagt tttcttgtn tgggtgttga taaaaagtt acaatgtact tcggctaggt 240  
 tnttcgtgcy agttcaaccg acattntggt tcggccagga aaacattagc ccacctctgc 300  
 anaaaaaata tttgctaacc gtcttcatgc atatttcatt caacgaatga atagaaaact 360  
 caatagccga caac 374

<210> 14894  
 <211> 309  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14894

tcaccggatg acgccgatcg aacatttcct aaccgacgtc attcaaattn tcattcaggg 60  
 attgaataaa aaactcgtaa ggcgacattt gtcgtgaagt agcaaattgat acttttcagc 120  
 cgacattgca caattttttt tagaaaagct cgctggctga taatggtttt tttacggcag 180  
 agtaagtttt cttggtttgg tgttgcataa aaaagttaca atgtacttcg gctagggttt 240  
 tcgtgcgagt tcaaccgaca ntttgtttcg gccaggaaaa cattagccca cctctgcaaa 300  
 aaaaaaata 309

<210> 14895  
 <211> 515

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14895

aaccgcggaa gggctgngna ccgcttatcn tatagaatan taagcttgaa ccttttaggt 60  
gccttaatcc ttgggtggac acatgagtnt ttattaatat atgtntctcg aatggtnnga 120  
aatggtnnga aatcaagccc cgggcccaat aagtaaataa cgcctaanaa caattttaag 180  
aagactttat tttggatgtg ctagggccct tttttttact cttaaataaa atactatagg 240  
tagacttttt ttcaaataca tgtgaacttt ttttgtcaac atgtgtcacc ttttttgttt 300  
tataaaaagt aatagcacat aatattatgt tagtgggcct aaagcttgaa ctctntagtt 360  
gtttactctt ggggcaccat cagtttatta tatagttctc caaatactct gtcagataaa 420  
agatgtagaa cataaaattt tgtggtgctt tcacaaatgc agatcanaat tattttgaaa 480  
acanttacat attgctaata catgataata aaatn 515

<210> 14896  
<211> 430  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14896

agcttgacca ttccctaccc aaccgggca tagtcggta gtgagaacct gtgatgtacc 60  
taaacaggcg agcctcctgc agtcaacaga ttaaaggaaa acaagaccac anagccagga 120  
ggcttgtggt ggctggccag ctgtgaattt tgtgtaatat gtggatgggt gcctctggtg 180  
atcgattacc aagggtgggt aatcgattac aaggcttaaa atngaggaca ggaggctaag 240  
atggtctctg gtaatcgatt accaaggggt gtaatcgatt accaggcttg aaaacgaagt 300  
caggaaactt atggagcctc tggtaatcga ttaccagcct gtgtaatcga ttacacagag 360  
gaatgggtca ctggtaatcg attaccaggc atgtgtaatc gatacacagt gtattattgc 420  
atatttcattg 480

<210> 14897  
<211> 359  
<212> DNA  
<213> Glycine max



<223> unsure at all n locations  
<400> 14897

gtaaaactaa gctaaaaagt cttagatggg agtgggacca gnccatacat tcgttacctg 60  
caatgaacaa cgaagcactc gagaaattca aatttcataa cttttcacac ggaagtccgt 120  
ttcatgcga taatatatct tgaccctcga aattggtcac cggaaagctc tcgagaaatt 180  
caagtgtca taacttttct tacggaagtg cgattcaggc gccatatata tctangtgct 240  
agaaatngat caccggaagc tctcgagaaa atcanatgga cataactttt caatcgcgtg 300  
gtctgattca ggtgtagaat atatcgagac gcactanatt gaacaatgaa agctctcaa 359

<210> 14898  
<211> 151  
<212> DNA  
<213> Glycine max.

<223> unsure at all n locations  
<400> 14898

acctttcatt cttaacatg ttacatata aaacacgctc anaagtcaca ctgactatca 60  
aaagggaat aagaagtgcc aattaactct gtttgagata ccacactgac tagtgatgtg 120  
gccaaagtgg tnggtattag tataatacac t 151

<210> 14899  
<211> 183  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14899

tactcaagct ntttggagta gaaacatggg accaactcat tntatttcan aatatgaagt 60  
cgtatctagt caaggtctga gagaccatac aagtttccta acgatttcta attatgtggg 120  
ccattaagtc tatcatatgc tgacaatagc cgagaagccc gtgaatctct tcgggggagg 180  
agt 183

<210> 14900  
<211> 293  
<212> DNA  
<213> Glycine max

<400> 14900

tacaatgtaa tgttttagtta ggtctcagag cccaatatgg gcaattcctg taacaggggt 60

gaatacccct catttctgct ggaaatcatg atgaacgcgc taagcgtgcc agctgcgctt 120

agtcggttca tgcgaactat caaatgtcta gatctccaaa tgatcgact aagcccgacc 180

atgtcgcgct aagcatgttc atacttctga tgagtttcaa tgaagagctc actaagcgca 240

tctactcgct aaacgagagt agtgtttcag acacttaca acatttcaaa att 293

<210> 14901

<211> 228

<212> DNA

<213> Glycine max

<400> 14901

ggaaattgta ttatatttca aactttttaga atattattta gacaatgaca agatattatt 60

cttatcatta taacttaata cgtttagtaat ttggttttta gatcaaaata taacgttaat 120

atttgaattt ttgttacatt tatctttata aacaaaacta atgaataaga gttctacgaa 180

ctcctacaca taatacatct cttgtttctt ttacatatat ttgccaca 228

<210> 14902

<211> 389

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14902

agcttttggga ttgatcaaga agtgccttat gaatcctccc gtgcttatgc caccagtacc 60

tggaaggcct ctcatnttgt acatgacaat cttggacgag tcaatgggggt gtatgctggg 120

gcaacatgac gaatccggaa agaaagagcg cgctgtttac tacctgagta agaagttcac 180

gacctatgaa atgaattact cgttgctcga aagaacgtgt tgtgcttttag tatgggcatc 240

ccatcgccta aggcaagtaca tgctgagcca tactacctgg ttgatatcca agatggaccc 300

ggttaagtac atctttgaaa agccagctct cacgggacga atcgcccggt ggcaagtcct 360

gctatcncga attgatatag tctacgtca 389

<210> 14903

<211> 417

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14903  
  
 tgttgaaccc tataacaaga aattccaaga gttgaaactc ctatcaactc anagcccttt 60  
 ggtaacccta accaagatta aaacctacaa agaaatcaga attggataga atacaccttt 120  
 agtatgcaga ttacaacttc ttcaagctnt atcaattatc aaaccatgat gcagattgca 180  
 agatcttttc tatgttgata atcatcatca ctcttggaatc atcctcatga tatcttcctc 240  
 tcaataagtc acgaaattgg aaaacaattt ggaagcttag agactcgttg canagaaagc 300  
 tatttataaa gaatctacta tataacatat aatcgattac gaccattntt ataattagta 360  
 aattcctaan agtagatatg gatttctatc taagatcaat gtaatcgatt acatata 417

<210> 14904  
 <211> 346  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14904  
  
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 ggaagaccat tattacctcc atagttatca acttctataa gccagaagtt gtgatccggg 120  
 tttttcaact ntactcggcc ctgagaacaa agtgaccaa caatgaaaga taaggaatac 180  
 attcttgcaa tagtatccgt tcaataaatg acaagaaatt tcattcattg taacacatct 240  
 gacttcataa gctaaaaaat aaaacgactc tggcaagcct gaatganaac aaatggggaa 300  
 gacaaggggc ccatatgaaa naagtaaaac gataactcaat gaatta 346

<210> 14905  
 <211> 297  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14905  
  
 tctccctttg agtntcttca ttaactcctc tattgttatt tgcttcctc tctcttttaa 60  
 tctgagtcac ctctatgtca tactgagtgt acacagagac aaactctcca attgccatgc 120

tacaagcccc agcaactaat cctgcaaaac cagcaagaag catggcactg atgtctntct 180  
 taacagctcc aacacccatc atcagtgaag caacagaaac caacccatca ttagctccta 240  
 aactgcagc tcgaagccac tgggcccttt gagagtaatc aataatgcta ctactct 297

<210> 14906  
 <211> 343  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14906

agcttgtaac tcttggcaat ttctttaaaa ctagtcactt aaaaagttat gacttttgaa 60  
 agaatcttca caaacaagtc acttgaagaa ttgtgacttt tggaaatgta tttttcagaa 120  
 tcagtcactg gtaatcgatt accattaagg tgtaatcgat tacacatcaa cagatgtgac 180  
 ttcatTTTTga atgttgaaaa tcttaacatt ntaaaacact ggtaatcgat tacatgatta 240  
 tggtaactga ttacagctct gtgaatcagt ttgaaaaaaa tgctggctac tggtaatcga 300  
 ttactacctt ctggtaatcg attaccagag agtataacac ttt 343

<210> 14907  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14907

atatatgtgt gtgtcagact tcanaaagta tgagagagat attctaagag aacttcattg 60  
 tcanatgctc tctcaataac tcttgggcaa atacttgcaa atctattgag agttcatcta 120  
 ngaaaatcaa attgtatatc cactctaaag gagagaaatc tctctattca tctcagaaag 180  
 taagttgtaa tcaagagact ggtngtctct tgaatngtga gtttcat 227

<210> 14908  
 <211> 421  
 <212> DNA  
 <213> Glycine max

<400> 14908

agcttctaata tcttgttgta tagaagatcg aaatttggtt ttacttaagc tgatgggtgt 60



<210> 14911  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14911

tataacttata ttatatattat gtgtatgtac actaagttgt agttaacatt taatatctaa 60  
 attntattat gtatttagtg taatagacaa aaaggaagca cttagtgtga ctattacgtg 120  
 atgcactgga tgtccactat aatcttanga acttttatga ataattggga aacgttaatt 180  
 atttatttca aacaacattg attctgttat aattgggtatt acattattaa cttatgttgt 240  
 attttatcat gccagatttt aatgatgtt 269

<210> 14912  
 <211> 329  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14912

tgcttgagtg taacaatgac tgtgaggttt tgggtgatga tccttccatg atttcaatca 60  
 tgcttactag cttatttcag ctatgactct aatgtgtatg ctccatctt tgaaaagctg 120  
 catgcttggtg agaagtgatt gatttaagca ttccatgata ttcagttcat atgggtgaat 180  
 tcctttatga atcagacacc attttctttt gattgaccac tgtctttgtc acttgatgac 240  
 aagtgaactg ttctttcttt gcttcaggac aagcaaaact gtaaaatntgg gggagtntgt 300  
 tagtcgcctt atacgactaa catttgat 329

<210> 14913  
 <211> 316  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14913

tctgagaacc gctaaaaggg aggatgttga ggcaccgaag gaagacgaag aggtgtaggc 60  
 tcttangaca aaactcgagc aagctcaaac agttaaaga aagggtcaaa tcagcagctc 120  
 tgaaaatccg annagagaat accgaactga gagatgtana tgtgactacc accaaagcct 180

tggaatgaga aaccaagagg gctcgtaggg aagacatggc tggaacangt tccgaggggc 240  
tctgtggggc agtaacagcg agcttaagct ctggaaggag gaaagggacc aatcgcgaga 300  
agaccatttg atcttg 316

<210> 14914  
<211> 373  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14914

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ccaacaaatg ccccttgacc ttgcaaaatt tcttgaagct atgcaagtaa gtgctcctaa 120  
ttctcttttc cataacccta nactctttnn tcaatttatt atcgggtctt cattccttat 180  
tnatattcga taantttttg ggtgcttctg aaacaacaac ccttattgct caacgaatgt 240  
gtggtttggg aagcaatatt tggtagcatt ttaagcgttt aaggctcactg aaatgtgtcg 300  
tttaagaatt agaaaataag agaggatagg gtgggtttct tattgttatg ttacatttat 360  
gtgatgggtc tca 373

<210> 14915  
<211> 319  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14915

gcttgccgan tagttttcgc cgggaaagga ttgaagtggg tttgagaata ggcttatttg 60  
attatcctgc tttgatgaat aggaagccta aggcaaatgg agagaataag aaggagagaa 120  
gaacccatgc tgtgtctacc attcctacat ggccaaattt cccacctgct caacaatatt 180  
aatacttagc caatatcagc ccttctcatt acctaccacc ctattagtta agaacaccca 240  
atcatccaca aaggccaccc ctatatcagc cacaaaacct gcctactgca tattcgatac 300  
caaacaccac ccttaacac 319

<210> 14916  
<211> 368

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14916

tctcgacccg ggatccttaa gtcacctgcn gcatgcaagc ctgtattaat ttgataatc 60  
aagaacaact tgtegcacat cttcggtgtc gatatccctc gacaagggtg agtagagaga 120  
ccttcacctc atacgcaacg ggcggacaaa tgggcagtag ttgatggcct tatgtcaatg 180  
gaaggtttct gccttactat catgtccaca tattgcaactg tggtagtgga catgactata 240  
catatataga tgtgtttacac catgacacat ttaaagctac tccccagtag ggcctttgga 300  
tgaacggcat tctctttgag agcatgacac taatctgacc actacattct gcaaatgcgg 360  
caaatcac 368

<210> 14917  
<211> 350  
<212> DNA  
<213> Glycine max

<400> 14917  
tgaagagaga tccttgttct agtttaattg attaccaatt atctcgtatt cgattacata 60  
gttttagttga gaccatgtgt tttcatgagt ctctatttta atccattatc aggtgatcgt 120  
aatcgattac tatgttcttg aaagtattcc aaggagtgat caagaacact ttaatcaatt 180  
aaatcaagaa tctaattgat tatattatc ttgaaagctt tctagatttt gggaagaaca 240  
ctttaatcga ttaaaatggg aatctaattg attacttctt cgagaaatcg attaccttgg 300  
caatctaac gattacaagc agttataatt gtttttataa atagcacctt 350

<210> 14918  
<211> 374  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14918

agcaacgac tgcatcttact tattacacan ggccacaggc gcacaagtgt actgaccacc 60  
cactgactat tcgcttggtt tgtggttcac ttctctgcac caattatggt catgcttaaa 120  
tgtctctatc tgaaaagagt gtctaacttc attctttgca tagtaaatat cccaatcaca 180



taatgcgctt ctagcatttt gctctaacc cctgtttatc attcttcttc cactagaact 240  
 ccctgcccgt caatatgcta tactccctta tcgcagatct aaattcatct agagtatcaa 300  
 ctccatccta attccaactt ctgtcaccaa ctactcttt gacatattga gataacttaa 360  
 catcctctat tatc 374

<210> 14919  
 <211> 325  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14919

catctacctc ttgaagaggc agaggtaagg gcatattgat atgtgggtta tgtanacgac 60  
 ggngagatca gacactatta taaaatacac tttcaacatc gggtatttgg ggccttctac 120  
 atcggtagta aaaccgatgt tgaaagcatc catgatgaat gtattgttgt taacatcggn 180  
 tttaaaaact gatgtcaaca taaagaaata acatcagttt tataaataaa cgatgggtctg 240  
 aagaaagaac tacagcaaaa taagtgtatg cgtgacggac gttggcatct gttttctgta 300  
 aaggcccatg tgaatatggt atatt 325

<210> 14920  
 <211> 412  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14920

agcttctcct tctttctcta taaatagggg gaggaggga gaacaaaaac gttcaaccct 60  
 ctcggtatct gaggatcact tanaattagt gagaaaaatt gtttccgtga agaatatcca 120  
 agccgaggcg cttccgtaac gtttccgata catatccgtg ggtgatttcg cgaagattnt 180  
 ccaccgttct tcgtttgttc ttcgtcgttc ttcggtcttc aactagtaag tttccgaaat 240  
 caaacttttc aattcattct ctgtaccctt ggtgggtcccc actatttttc cggactttta 300  
 ttttcatttc atttactttt tggacgcctt tttgactagc tttaatcatt tatttaagtc 360  
 atcttctcgc cttatcagac ataaaataat attccactga tcattcgtat tg 412

<210> 14921  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14921

aaccggtgag agtgtgatct taaactgtga gtgatcgacc tgctntgact aatagtcnt 60  
 gcatcaatct ctgaatttta gaatgaaatg tatgaatgag gacatgatga aggccatgat 120  
 tgtatagaca aaccaattga ccaaaaagct taccttgaat tataattgta tcctttgcac 180  
 cctttgtgag cttaaattaca ttttcaaaat tgaaccctga acttgaatga atatctccag 240  
 ataccttggt tagattctag gagagcagat agttc 275

<210> 14922  
 <211> 395  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14922

agcttgagct ttattttacc attgatgcca actataatgt gatggtactg gtcaatgagc 60  
 ttaactaatg gaaaactgag atacagtagt gcctacttca tcctcctacc ctggcacttc 120  
 ccaccttgaa tctaagcaaa aagaaaagaa attcgcatca cctctgatag ttttgaaaat 180  
 ttagtcaaga agcatgatat tacagtctct ntcaactggt tgtcatccaa ttgtactgct 240  
 gacattatct tcatagctga aacatcatct tcttgagatc cataaattat gttctctgat 300  
 tctctagaaa cagcctgcag cctgacatca tcaatcaact caagaaaagg atctacctgt 360  
 ggatttacia cactaattaa tttaactgat catta 395

<210> 14923  
 <211> 292  
 <212> DNA  
 <213> Glycine max

<400> 14923

ctgagctggc cttagttgat cccaagcggg ctaagaggtt tgtctatatt tcacaaaata 60  
 aatagtgccg gttaatattg ttgtaattct aaataggtag atcaaaatgg attcaattgc 120  
 caatgtctta tgtttgagtc ttgtggatgg aaaaaacata gttggagggg agaacccac 180

taaatgtggc cagccagttt ctccaatgaa gattagtaat cggcaaaacc gttagatact 240  
ccataccaat aacgtgattt gattaaaaaa atggattcaa ttttcttaaa aa 292

<210> 14924  
<211> 247  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14924

agcttttcat gatgtgagct naacaccnac aagggcgcggtactaagct ctagctattc 60  
accgaagatn tcgcanagaa gcttctcaag atagttttct catgaaagct tatcaaggaa 120  
gctatctagt ctatacatag aagcatgcat aacacttggt gtaactgtga tgaatgatag 180  
tcttacgaga tacactncag agtgccactt ctgctcctct tttattcctt caactttgtg 240  
ctccctc 247

<210> 14925  
<211> 334  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14925

tactcaagct aatcatgtga gtgtcgtagg acatctccca attcaattta atttctctcc 60  
caacacacat canatagtgc actgaatgca tgtgaaatta taaaactacc cctaatacaa 120  
aactacccca naaataatga aaccctaata taatatgtac aaagataagt gggctcatal 180  
ttagcccatg ggccaaaatt ctaccctaata gccttcttca gcagctctag cccaatattc 240  
ttggagtctt ctatacaata cccttgaggagg gaggattaca tcatatgtgg atattattct 300  
tgatagttta atatgccaat gatggacaaa gtct 334

<210> 14926  
<211> 371  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14926

agctttgtac tttcgttcaa ccaaaataaa aactataaac tgaaatttaa aagctgaaat 60  
 agaaacataa atctaaagac tgaagcataa acataaatct aaattataaa atgtactaaa 120  
 gacatgataa taataaaact tttcaaaaca cagggaaata aaaatcatga tctgtcaat 180  
 gatcctgcat agagtccatg gcatgctcat tcaaateccag tgcaagagtg cctgatgatg 240  
 aatcctaagg aaggggacang tctaactctg gtgcagatga ctcaangctga gaagaagaca 300  
 tgtccagcac tacagtggaa ggctctggtg tcacaggtgg ggtagttgct actggatcaa 360  
 tctcanaaat g 371

<210> 14927  
 <211> 312  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14927

tgtaatcgat tacacacata ctgtaatcga ttaccagagc atattttcag aanatattct 60  
 caacagtcac atctttntat gtggttcttg aatggctatc aaaggcctat atatatgtga 120  
 cttgagacat gaatttgaca agagtttttn tgaacaaaaa ggtcttatcc tcttaaaaag 180  
 aanaatcggt ttatcctctt acaaattcct tggccaaaac acttgtgatt caataaggaa 240  
 ttatttgagt gtccaaattg ttcaatctat ctctttcaag agagatttct tcttttcttc 300  
 ttcttcattc tg 312

<210> 14928  
 <211> 300  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 14928

agctttgact atatatgtct gctgggaagg gtctgatctg tgaattgaat gggatgatgaa 60  
 cacatgggat gagaggatga ggaggcaaga tttgagagcc tgagttcaag aactgatgaa 120  
 tgtggttgaa ctgtcttgga tcacgggtcca ctganggtgc aatatatgga gcatatgtgg 180  
 tgaacattga tgggtgtagca gaagatgagc cacacaataa ttgagagccc gatgaatgta 240  
 atgactaaca agattggatt tgcacaccat tgttgccact gcttggatta ggatctactt 300

<210> 14929  
 <211> 347  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14929

ctctccccta acaaatgaac caacttcttt aagatanttt atctacatcc acagcaagat 60  
 gctcgaaaac ctcatacatg tcaagtaacc gaaaacattt ttctggtgtg tgtgttccca 120  
 ttgccacggc ctcaccataa ttcaagagat gcagcatgaa actctgagaa atttcagata 180  
 agcagcattg ataaaaggat ccaaaatcac caaggatttg ctcacacaat cgtttctcac 240  
 tgacgaggtg caccggaaca atgatcttca tggctcgaat ccatttcttt atctcgttgt 300  
 tcaagcaatg ccaactccagt tttatcacat ccttcattct taacttt 347

<210> 14930  
 <211> 399  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14930

agcttgtgat tacccatgat attatnatng gccatggaaa cacaactgtt tgccatcatc 60  
 gagagattct ctacaaactc ttgttccaaa cgaacgaagt taaagatagt cttttcttta 120  
 tgtgtaatta ataacaaata tattgatcga accggtccaa aagttggata ggtagctgca 180  
 tacacgtatt actcttacia ttaactagag gcatggattt aacgtgccaa aaacaaatca 240  
 cgcggcagat aagtgggccc ccactaaagg aatcttgaga catctttaag ggtattgcta 300  
 ngggcaccca gcaacattgc aggtacaccc agctatcttt cagatacctc caaatacccc 360  
 tcaacgtatt ttttgtacia aagctgggtg attattttt 399

<210> 14931  
 <211> 318  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14931

nttgcaagct ggaatcattt atcttatctc cgacagccaa tgggtgagtc ccgtccaggt 60

agtgccgaag aaaaccggcc tcaccgtgat aaaaaatgag aaggaggagt tgattcctac 120  
 tcgggtgcag aacagttgga gagtctgcat cgactatatg aggctgaacc aggttaccaa 180  
 aaaggacat tttccctgc cattcattga ccagatgctt gaacgcctgg caggtaaatac 240  
 tcactactgt ttccttaatg gtttntctgg ttatattaaa tcactattgc tcttgaggat 300  
 cangaanaaa ccatattc 318

<210> 14932  
 <211> 415  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14932

agctttttgt ctctgtttg ttnggaactt gcttaactct tgattccttg gcatcatcaa 60  
 aataatcttg gaagtcattg cttccacatc taagtctatt ctatacatgc cttgaaatgt 120  
 catgtatgtc tgtcatttgt aacatataag agaaagaaaa acatgataaa aatgacagaa 180  
 aatgaacgaa aaaagagtac cttttgttga tattgcacct ccaattgcac atccactcaa 240  
 caaagcaacc atttattttc ttccccaatc ctttntatta attttctgat tagaaaacaa 300  
 actaaggaac tatagtagaa caaagcctag ataataataa nntatcatat aataatgaaa 360  
 caaaaccaan ataattccca aggtgtcttc cctaatectt atgatttttt tctaa 415

<210> 14933  
 <211> 340  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14933

tactatgctt ctgttgaacc tctccttac taatgaacca tgaagcttat gattatgatg 60  
 ctcataaata gcacatacct taagtctca tgaacattcc ctacctcaa cctctccatc 120  
 acctccctag ctactccctc agcattggcc acaccctccc ctacaataac tgtgtttttc 180  
 ctctcacca actcactcag cacactagtt acatcattat tgttaacatg gtctanatta 240  
 agcttcgtga aggagccagc agcaacttga ccaaaggctc cagatgatgg agacacatta 300  
 ttactaccac caagaacaac atgatggggc gtgggtgatat 340

<210> 14934  
 <211> 424  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14934

tagangaccc caacatatgc aggcgtgcat gtgcttgaag acgcatcatc gcgaatcgag 60  
 ccgaggctgt tgagcaagca atcaatcggg cttatcacac caaacgaata tgatgatgag 120  
 atgggtcaaat tctcacactt gtagactcat gacttataaa taagcctatc ttaactatca 180  
 tgacttgtaa aagatagtca gagattgtag gtcgcaacat gtgtcaactc acatattcat 240  
 aacaactacc cgactcttga acatatcttg taactcagag aaatacatgc aaagtcgtca 300  
 tgctcacaag attgaccctt agtattaaac ttcgaaatccg actaaactga caacatgtaa 360  
 cgtttagcact gctttctgca tatctaatacc cacggaacta gctacaccaa gagacctccc 420  
 cacg 424

<210> 14935  
 <211> 483  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14935

naagccgcgt gttctgatac cctcggcann nacgnganan tatnnaatac tcaagcttgc 60  
 ttgacgagct actatggagg cgggatcttt gtatcttatt tangacctcn aangganatt 120  
 ctccaccatg gagatgcaac ggaagacgaa ggacaacatg tgtaatgagg cgccgtccac 180  
 ttgagaataa tccgtggagg aatgagcttc accaccatga tcagcggttg ataagaagct 240  
 cgctgaggat gctctgctgg ccagacnaa acacggaaaa aaatacagag gtgggagcac 300  
 gatctctata gacgaaacac gggaagaaga agactatttg tcgggttctc agactttctt 360  
 catcgagtac acaagtgtac acatttcctt ttttatctag accctccttg aaaccttctt 420  
 aaatacttct tgtaagcttt tcaaaattct ttttaatacag cttttcgcca cttttgtaat 480  
 tac 483

<210> 14936  
 <211> 403  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14936

ttgctatgct tggataatga atcatgaagc tgagatgccc gacgaatcac catatgctaa 60  
 ttaaccatgc attatgtacc atgtacaatt atntcgtgtg taagtgaat gggatatatga 120  
 tcccgaatgc gttggctcgt ggtgcctaac acatgaaact aagactgtaa tgtgaagttt 180  
 cagcgtacca ccttctttgt tcttgtttgt tctaggataa cgacaagatg atcatacatg 240  
 acatcgaatg gtatgcagtt gtgcacatca taaagtatgt tgaacgcata tgcattatga 300  
 tgccatgact catgcgatat gtgacgctga aatatgataa cggacaaatg catgatgtgt 360  
 ccattatgat agtatgatga gatactgatg cgatgcatga tat 403

<210> 14937  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<400> 14937

tatgctgcag acattttacaa catacctcct caacctctgc agtttaataca accacagcag 60  
 aacaattatg acctctccag caacagatac aatcccggat ggaggaaatca ccctaattctc 120  
 atatggtcta cccctcaaca acaacaacag cagcctgctc cttcctttca aaatgatgct 180  
 ggcctaagca agccatacat tccctgcacca atccaacaac agcaacagac cca 233

<210> 14938  
 <211> 427  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14938

agcttgcttc tatcttaggg agaagagaga cacanaaaga attcaggcga ttaatccctt 60  
 gtgaattctt tttggccaag ggaaaagaga atggaaaaga tgaattacac aagtttttta 120  
 tcaaagaact tttcttggaa gagaaagtgt tgaccaaacc ttttagatag atgaagagaa 180  
 atgaatcaga aattctgtag aaagagttga aagagatnga aagagataat ggattganac 240



tcatgtcatg gtcacatatn tataatctct tgatgactca aagtcaaagc tggtaactct 300  
 tggcantnta tntaaaaact aatcacttat aaagttatga ctttngaaaa aatcttcaga 360  
 aacaagtcac ttgaagaatt tgactntnga aatgggtattt tgaaatagtc agtgggtatcg 420  
 atacaat 427

<210> 14939  
 <211> 392  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14939

tctgcatagc tgtatatgac ataacaatct ctaatggctt atctcatctt tccttcgata 60  
 tctggaaagt gtgcgagtgt tgtgcaaaga acaaaggana gggattcaag agatggcaaa 120  
 tagattgttg gcacaaaact atggagttgt gtgcaatttg aagcactaag agaaacaagg 180  
 ttagcgagat gtccaactga tttatgaatg ctaaccaggt tctcgcatcc atcaagtatc 240  
 aattntctta aattcatggc tctagacaca tcaggaaatt cagaaacctt atcacaaccg 300  
 gagatattca tgtaagtcaa atgggtcaaac tgcaaaacat acataanatc agataatcaa 360  
 ttaacaacag tacatcaaaa tcatgtcaat ta 392

<210> 14940  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14940

ggatgcaact gtgatcttat acccatatca gctagatctt gacgggtatc aagccatcct 60  
 tcgtcttgcc ttgaatgtta aagagcgtcc caatcacact gtcancaaac attttctcca 120  
 catgcataac atcaatacaa tgtctaacgt caagatcaca ccagtacgga agatantaga 180  
 aatggacctc ttcttcatat gcaactctga ctttatectt cttttgggct tcccaataca 240  
 ctgttcaggt gtgaaccacac tgatatacct gctcaccagt caac 284

<210> 14941  
 <211> 386

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14941

agacatcaac cccaactctt gtgcatcagt gcagattcac ttatttatta gttgggttca 60  
tccttggtcc tgtcactaaa ggatcgaaaa cttaccattc tgttgagggg tctctctgat 120  
agtaacttgt cgatgtcttc gatgcgtacg tgtccaanag aacgagggga gaggataccc 180  
ataaaaggca cttcgacgct caagtaaggg tttgggtcaa agctatcaag gatgtcaagt 240  
gaatattcaa gtaaaaaaca atccttttna cctgggagct ctttggtcgc tgggtcaacga 300  
tgctaattgg caagtgcacc gagtcgcaca agtaatataa aacgatcaga accgagtatc 360  
gaatccacaa gggacttggt tcactc 386

<210> 14942  
<211> 398  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14942

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tctcacagtc tttagacttg ngagccaatc caatccttgt gtcccgactc tcagccactt 120  
atgatagccg ccgatgatcc cattactgct tcccctaagc tctctgtcct ttcttcacgc 180  
cgcatcccat gccttgagaa ctccctggag taccctcgcg ttgtgggtcac tgaaaccccg 240  
tgcatgaaa ggcgtgatgc tttcgtctga tggcactcct ctcatggngt agccaagctg 300  
tcttatggcg aggactggat tataattaat acaaccctt gttcccatca agggatcatt 360  
tggacatccc tcgcatgaag atagaatcct gattcttc 398

<210> 14943  
<211> 324  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14943

aagcttgaag ctacaggaaa acttgaagaa gttatgaaga agnnntgtct nctacattcc 60

taactcctta gagtgcgta tgtattgggtt gttatcttga tcaatgcac ttactacatt 120  
 tgacatctgc tttgtatcat gcattatcat ggatagtatg aagaaaagaa ttctaattag 180  
 aaaaatttct tcaaagctaa aaactctctg ttttaatttat tagagttgcc gtaattgatt 240  
 acaacaagct atatgaagct tatgaaggta agctcgtatc atcttaattg attacaatag 300  
 tattttaatc gattacagtg ttat 324

<210> 14944  
 <211> 369  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14944

agctngctat cttttatnnt tcatacagtg gaccttcttc tagtaattat gacttaccgc 60  
 agccgcctat cctctttcca tttccaccta gagcaattcc aatacaaaaa tatggaagaa 120  
 gcggaaaaag agatcttga gaccttcagg aaagtagagg tgaacatacc tctgctagat 180  
 gccattaagc agattccaag atatgtcaag taggagttgt gcaccacaa aaggaagcct 240  
 cagggaaatg aaaggattag tatgggcaga aatgtgtcag cattgatagg taaatctgct 300  
 cctcacattc ctgngaaatg taaggaccca ggtactttnt gtataccttg cattattgga 360  
 aacagtaaa 369

<210> 14945  
 <211> 403  
 <212> DNA  
 <213> Glycine max

<400> 14945

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 gctgtaatcg aggaatctgg gaatatctca tagtcatcca gccttgcagg ggcttgtcta 120  
 tttctctgag gtctcgttga tactgcatca tcatgaacaa cattgtcttc tgttctaca 180  
 tccgtgttta gaccttcaat tctggttctc aattcagatg tgccctactt atcactccaa 240  
 ttccaggatt gacctcacc aaacttcaaa tctctactca acactagttt ctgagtttga 300  
 ggattaaaaa cctgttatgc accagtagaa tggtaaccga gaaatatgaa gttctcactc 360  
 ttgtcatccc aatttctctt tattgcgtct ggaatatgct tat 403

<210> 14946  
 <211> 343  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14946

agcttcgcac tagtcttggg ttgtccatac attaaccaaa tgtgtgtcaa tatcttccta 60  
 gacacagaat tcaccaacaa catactctag tgcctcgttt gcattttgta tcattatacc 120  
 attgtggtgc anaataagag tgatntcatc acaaatccta taggtaaaca caaacatcat 180  
 tatttgtatt ttcacaaacc ttgtttatac acaacatcag taatgaaaaa gtataaatac 240  
 aactttgaga acccaaatat aaacctcaa atgaaacatc attcaaaaaa aaggaacaag 300  
 aagccaaatg ataaatgagc aaacaatgca caaaaggaaa tga 343

<210> 14947  
 <211> 395  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14947

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 tgtgggtcaag atacaccact tgagtcatga aaccogttcc agtggagaca ataattgagg 120  
 ttccaagggt gttagacatc atgggttgcg ggtangcaaa catctcactc atgtgggttct 180  
 tcaacacttg accaatgtta ggtggcattt taccacttgg tatagtggct tttgtttgca 240  
 atgctactat gtgccttact tgcacaactt ttagtgggaa cttttcatta agctgttctc 300  
 tagacaacat tattccgtta gaaccttctt gaacaacaat tacctaaatt gatacctcta 360  
 ttctgggttag agtcgggtga acaatcatgt tgtct 395

<210> 14948  
 <211> 409  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14948

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ccattacaag cctttcttct tctgaacac acatgggtcat taattcattg atagaccatt 120  
tatctttatg tgtgtttag gaaatcttaa atggcccata ttcattgcgga aggggtgttca 180  
aatgaaatg cactatgaag gactcagaca tatcaacctc tagtttctta agttgagctg 240  
aaatatctcg ctttttcatg atgtactcac gcacaccttt cacactgggtg agccgaagag 300  
agaaaacttc atgatcaagg tgctngctaa agtcttatct gaagtgatga actgggtcatc 360  
aatggcctta agcaagtctc ggaccttttc atgctgggtca acagaacca 409

<210> 14949  
<211> 609  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 14949

aaaataccgg ccagggtgac ganngtagtg ancgctctcan anatnnnang actnangccc 60  
tagactgtac tactacaaac ncgaagtggg atataccgc ccatagtcct atttacttct 120  
gaggaagtec gtcaaggcnc tcgtttctcg ctgattcang gtccaacncc atannnatca 180  
ttntaacac agcagaacta tacgnctatg anngctatgc aatacnaca caactaccct 240  
caattatttn tcaaaaatat tcaaattaat tnttcaaaaa tatggggtttt aacctcactt 300  
gggcactntc taagtgaac ttaaacctct gctctgggtt tggcaccana tgggagcncc 360  
antnncacaa aatntcattc tgcacaatga taccctcggt caccctttt aaggggggtct 420  
taatagttgg tgtgaatggc nnatagttca taagcctcac cagttcattc gcataacttc 480  
acttattccc catatatcat attatacatt cataacaatg tttaccagac acaaccacta 540  
cacanatcat accacanata tatatatata tatatatata tgtatatata acgcattata 600  
catatatattg 609

<210> 14950  
<211> 346  
<212> DNA  
<213> Glycine max  
<400> 14950

ccgggatcct taagtcgacc tgggctgcgc tttcatatgt gtctacagga gacttggtgt 60

gcgacctctg gaattcacag gactgttatc ttgatttggc tgctcaccaa ggcaatgtga 120  
 ttgatgacct ttgaaacgaa ctcaccaagg acggttggtg ctttgctatt gtggttgggg 180  
 tgttgacaag tacgagtgtc tgccctacct gtcaaaactt tataccttga ctttgattga 240  
 tccattgtgg gatatggcta aggaaccgtt ttgatattgg tgtttcagtg aactttctac 300  
 ttttattgaa ttcttgaata ccttgcttgt cattagtga tcat 346

<210> 14951  
 <211> 326  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14951

ttgtactcaa agactgccat agctgacttt accttctatt tttatggngc ataaatatta 60  
 accacaagcg agagtgaata ttgaagaaat caacatgact aagcataatc acaagctccc 120  
 acaaatgcaa gagtgaatat agaagaaagt cagcaagtaa tttgagtata agagtcccaa 180  
 ctagatagag ggaagaaaat ggatgcagga cagaatcaaa tatattattt ataatgtcat 240  
 ttagcctttt ttttatttaa tttgctaaac actaaattat gctaccatac tattttcaga 300  
 ttccattagg agcgatctta gccatt 326

<210> 14952  
 <211> 422  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14952

agctttttat ttattttaccc gcgctaagcg caaggggtggc gctaagcgca acgtcgcgaa 60  
 ttcagagcct acttatagcc tgtcttgtgc aaaattaggg tacactttga cacacanctt 120  
 tacagactnt tagacaaatt gtaggcagaa gatagggcat agattctaga gcacaccaca 180  
 atgcctatta tgggaaaaaaa gccctagaag catcaagagg agcaacttgt gcattgaaac 240  
 ctaggttttg taagattatt attgtttggg tttcttttga atggctagct aagcacccta 300  
 gttggggatg tctaataaac atctgatgta aataccta atctaattga ttatgttttc 360  
 tgtgttcaat gcttccttca attcttaatg gttgtatgct tttggtctga tcatccattc 420

gt

422

<210> 14953  
 <211> 363  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14953

tgccaccag ctcgcccaag cgagctaggt tgcttctctcc agtagtctcc gccttctaga 60  
 ggaattttcg ggaaagccca agtgggcctg gttgctatct gcacccctna tttactaag 120  
 tacaccctc gccttttttg gtgattcttt ttccataaca ttacgaaact ttacgaattt 180  
 cgtaacgatg cttgttttct ttccgtaatg ttatgaaacc ttacagatta cgtaatcatc 240  
 ccttttttgc cttccgaacg ttacggaat tntacggatt gcgcactaac acttcctttt 300  
 aatttccggc atgtcacgga acttcacgga ttgcctaacg atgggtgcca agtacctcga 360  
 tgt 363

<210> 14954  
 <211> 304  
 <212> DNA  
 <213> Glycine max

<400> 14954  
 agcttgttct atttattatc tacaatgctt tattgaatgc ttttaaggcga aggtagagac 60  
 ctgagtcaca catgtatcat cttcctgttg gtgaatgcag aatcaccttg taaagtgttg 120  
 ctcttcaact tgatatatgc gttaatggaa gactagttac tagtgcaaca tattatgatt 180  
 gggaacaaat gtgtgcaaaa tatataggtg ttgttcccc aaagaatgca ttgggtgggat 240  
 caaagcataa actaacatgg gtaaaagaaa acatgttgac tctcccaaca gaacccttac 300  
 caca 304

<210> 14955  
 <211> 290  
 <212> DNA  
 <213> Glycine max

<400> 14955

cctttccttg tggatgaagct cactacaagc cttaagtga aaaccatgat attaccatat 60  
 ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgtggggg gttcttgttt 120  
 cattggacaa cattgtttgg tgactatgct tcatgatgta ttttgggcca tacttgatgt 180  
 acattgtata ttgggtaaat ggtggacatg ctgaatgata tgttgtttct caaatgaaaa 240  
 aaacaaagaa agaaaatatt cgaaaaaaaa aaaatttcaa aaaaaaaaaa 290

<210> 14956  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<400> 14956

ttttggtgga aagaacattc gtcataatgt acgttactgt cgtaaaatg atcatataat 60  
 atatatttat aggtgatctc ttccgttttc cctaatatgt aatgtgacct tttcttttta 120  
 gctgtcttgt aagatgagca tacactgaat atcagtactt gtgtgtaaata taattataga 180  
 gtatatgaca ctgctctctt ttggataaat atattaatta ctacaactct ctacttaatg 240  
 ttgtaaaaac tc 252

<210> 14957  
 <211> 414  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14957

atcttttaca tgactntgnn notatatatg gggcannata cgatgaacaa ggatgtntca 60  
 tgattggaaa atatccaaaa gtaactactt gtcttaatta tcaattagag gtgaaaaagc 120  
 ctaataccaa aatcatgtac ataannntga aatgaatntg tagcttattt tatagaaaat 180  
 ataccattta atatgaacat gggttattaat gttagagata aatttttttg acagcattaa 240  
 ggactagaga tattgatgca cgaattatca gttcttttaa ttaaaaaatac atttattcaa 300  
 cactttcatt tgttctctat gactttttca atntttntaa taccttaatn gatatccaat 360  
 tttttttaa atattntggg tatattatgt agnggttctn tattttattc ttat 414

<210> 14958  
 <211> 305



<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14958  
  
 aataactcagc ttaaacttca ttgcatccag ccactntctc ttttcttcac tttctcatga 60  
 cctctctaaa gcactcgggt tctccatcat ctgttaggat cacatactca ttaagagaat 120  
 acctcttaga aagttgtctt tccctattag acctcctgat aattggtaaa tatgagctat 180  
 ctttgataat aaaagtatat tgaaaatata tttaaaaata tttatttacc agttattttt 240  
 tggcttaaat ggtaggaatt gatatttttc ttatttacgg cttgcagata tgaaaaggag 300  
 ggatt 305

<210> 14959  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14959  
  
 agcttgccctt atagaggtcc aggaaggaca aggcagccga aggaactagt tccgcttccg 60  
 agtatgacag tcaccgcttt angagcgctg tacaccagca gcgcttcgag gccatcaang 120  
 gatggtcggt tcttccggag cgacgcgtnc agctcangga cgacgagtat actgatntcc 180  
 aggaggaaat anggcgccg tgggtgggcat cactgggtta ctccatggcc aagtttgatc 240  
 cagaaatagt ccttgagttt tat 263

<210> 14960  
 <211> 587  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14960  
  
 aggaagttct gattgactga ttactatnag cannnaccgc gacactatag aaatacctca 60  
 agcecttctt atccaagggg ctcanntctt ggtgggggtga aagcctcncn nttcttcnca 120  
 ttgtgtctta tntcnnctta natggngatg ngcngccctc ncnntctcac nnctatnntt 180  
 tcnctnnttg tctntcnnc gctgcatttc tccattggg ggnnngaaan natcacncat 240

nntaaaggga aaccccannt tgaagcctca nnagaatccc agcccctcca ttagaaaagc 300  
 tccacaagcc aagcttccat tcagatgggc tnntaaaaaa ttcgcggtt ttactgcaaa 360  
 tacaaagagg accgaaacan aaagccaaat ggatcanatc caaaatctgt cagagattaa 420  
 tcatcaaaag aacatanat tgatgctaaa tataagtatc atgatgctta atatgaagtg 480  
 aaagagaaca taaattgatg gagtatgact tcagatcccc gtgacaagac cataattgaa 540  
 taaaaaccaa ctgaacaaaa caatttttat catgtggatc aatggag 587

<210> 14961  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14961

agctnngatt attcatggat cgggttagtc cgtttcacac tgttacacga atgtaatatt 60  
 ttgatctacc cccgccagcc aaacaagttg attcacgggt ctattttttt aaaaaagaaa 120  
 aactataaat ttaaataaaa tatattnttt tctcttaaaa aatagtcaat tacactcaat 180  
 tatatatata tattaaaaaa agtcttaata aatctctaata taataactcaa ttacaaaaag 240  
 tttaacacaa ctaaataaat tttcaacata aatgtaaat 279

<210> 14962  
 <211> 410  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14962

ctaagcttgt accgaattct tcatcgctct aattatcaga ttgatgagat tcgattaata 60  
 taaatggctc tggatgtggt atgaaataat tacactcatt cctttccaac catcatttac 120  
 gtcaataaac tttcacatct tgaaattctc caatttacag gctaggggca tgaattgctt 180  
 acacaccagc acacctacaa ttgttcatcg agatctaaag tctccaaatc ttttggttga 240  
 taagaactgg aatgttaagg tatatgattg aaaacttatg cagggttataa tatttgctta 300  
 ttctttatta tcgcataaca taactaaaga gtgccataaa aagtagtgca ataaaataat 360  
 aacaagacga tgatgatgat gtctngttgg atgatagttt atgatggaaa 410

<210> 14963  
 <211> 379  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14963

agctntntgg ttattataaa acaatgggca atgggttaaag aaagattgtg aaaaagaatt 60  
 ggttggaaga atatcatata tgtatattga atgtgtgcaa aattcatgct tttatagact 120  
 cttcatgtct ggtcaaagaa accattggaa gagtnatgac ttttgagaaa accatgttaa 180  
 gagttataac tcttaaactt ttcttcnaaa ctgttcactg gtaatcgatt accacaaagg 240  
 tgtaatcgat tacacaatgc attttatgaa nagttgtgac tcttcacaat tggatttgaa 300  
 ttccaaccgt cagaatcatt tgtaatcgat tactaatata nggtaatcaa ttagactatt 360  
 tgaanatcat tttggaatg 379

<210> 14964  
 <211> 370  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14964

gatggaatac ttacttggtg gtgatgaaca acaacgctta actgtttcaa aaaatgcaaa 60  
 anatgatgac cctaggggctg caaactcgta aatcccgtgg gtatggcttt tgaaaggggg 120  
 gtgtcatacc ctaatttcgt ccgngacact ttgcttgatg acatgcgacc tttctttggt 180  
 ccttgtaggg tgcttggtac ccatcattan ggaatttggt aaattctang acattgccga 240  
 aaacaaaaaa aatattgatg cacaatccgt aagtttccgt gacacaccag aaatcaaag 300  
 gaagcatcgt tgcataatta agtgagggtc cgtaacattc cgtaagtcaa aaaggggatg 360  
 atttatgtat 370

<210> 14965  
 <211> 225  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14965

ctgctagang ttgcaacatg tatgcggaaa ttgctttcca ttttccacgg taaggtggga 60  
 gatgatgatt gaggatgtct ctcaagtaccg aacaagccta tcaaacattt tcaggtgctc 120  
 ttcaaatacaa tcccaaagga ttgagttgga tgtacataaa tgagaaagtg tgtgtacaaa 180  
 tacaggaatg ggctacaaa aatggctgtt ggtggatggt tgtgt 225

<210> 14966  
 <211> 289  
 <212> DNA  
 <213> Glycine max

<400> 14966

aggaaccccc agctataatg cgttcttttg aacctctatg tcgtctggag gatgaaggca 60  
 acgagttcta tatccagagt aagaacaata tgtgttgggt gtggtgaagg aaaccactac 120  
 ttacggtatc aataatccca tcgtgttaca aaacacattt cccttgacat ctgaaaagcc 180  
 atcgtttcta tgacattgtc ctactttgtg tggatttcct tgaagttgca catgctgctg 240  
 cagaaaagta tatgagaaaa gtagctgttg aatttgggat tcctctcta 289

<210> 14967  
 <211> 376  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14967

aatttcactt acttgcgcta agcgcaatgt cggaattaa gagcctatnt aaagtctatc 60  
 ttctgtagaa ttanggtacc agctttacat ctattttaca cacctttatg ataacttcta 120  
 cagaacggcc agggcacaga atngcagagc agctgtntgg atttcggcaa gtgcaccgga 180  
 tcgcacaact agtataaaac agtaagaacc gagtatcgaa ctcttcgtga acttgtgtta 240  
 tttggtaagc tatttcagca aattgatgtc tagtgtgtaa agataagtgt gaatatgaac 300  
 aggggtgtaa actatctatg caaaaagaaa gaanatcacg cgagagaaat gatgntgtaa 360  
 aacaagtaga aacaca 376

<210> 14968  
 <211> 140  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14968

tccctagta gaatactagt aatgtttcta ctatcatngn catcgttntt tcgtcattga 60

tgtgccactt gagctgccaan gttctccacc tttgggcgta ttctttgaaa gatccgtgcc 120

cccttttttg cacatgtttt 140

<210> 14969

<211> 518

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14969

nnnggcttat gatagctaga tagactggca nnncnactga gncccggcga tgctgtatat 60

atgaactgga aggcttgcac gctaaggat acttcttttc tcacccaag tggcctanga 120

ggaaggctac cactatatag agccttcac ggcctcacac agacacacta cactgtgtct 180

cacagtccct ctcatcagga gcaagatatt gagagccaac ccatcatagt gaaccgtgac 240

ggctctgana ataagtacga aactacgttg cttatgacct cagaagatgt ggagaatacg 300

agttggtgta cttcaagagg ctcatgatg aattcaacan agtgggacaa gtttacaagt 360

caaaagtgga cgaagtgatg aaggaagctt gcatgctcaa caagcanatg ggatgcttga 420

tagctttcac gatcaagggt gagaagccaa gtttgctgta tttgatcatt ctgtggagat 480

gactcgtctg gcttctgatg ttgctcttca tctgcagg 518

<210> 14970

<211> 325

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14970

tcttataatg aatgattaga gtaagaatga ctctcgtgt tagttttgta attatctagt 60

agtagaagat aaacttccaa tgtttgtctt gctgatttca accataacat tttgtattgt 120

gtgccatttt tggctaaaag attattaatt gtagtgcang tcttacttac gcatacagcc 180

gaatagcgat agtggttaaga atactaaagc aagtcgtttt ttaaagtact tgtagatat 240

aaaatcaata gcttaagctt aggagtcggt atgttctcga tcgtctcagt ttgcttatta 300  
attggatatgt tcttgatcgt ctacag 325

<210> 14971  
<211> 380  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14971

agctttttct catttctcat tccagacaaa cttctcattc ttatgagtcg gtttagttag 60  
gggtagtgcc aatttagaaa atccctcaat gaatttccta taatagccag ccaaccccaa 120  
gaaactntga acttctgttg gagttgtcgg ttgttgccac tccataaccg actccacttt 180  
aattggatcc acagcaaccc catctttaga aatcacgtgc cctaagaact gcactttctc 240  
taacccaaat tcacatttcg acaatttggc gaacaatttc ctatccctca ggatatgcaa 300  
cacaattctc aagtgccttt catgctcctc cttattcctt gaatacacta ggatatcacc 360  
aatgaacaca accatgaact 380

<210> 14972  
<211> 282  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14972

accctgatga ggatgtccca tatgttctta tactatactg gtccatttgc ttccaaagtg 60  
tcatggcctt gcaggtgaag acccgcacaa acatctaana gaattccata ttgtctgctc 120  
caccatgaaa ccaccagatg tccaggagga tcacatatct ctgaaggcct ttccttattc 180  
tttagaggga gtggcaaaaag actggctata ttaccttgct ccaggtcca tcacgagctt 240  
ggatgacctc aagagagtat tattagaaaa aattttccct ac 282

<210> 14973  
<211> 439  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 14973

agcttgttct ttntatggaa nggaggagtg gtntcttttg cttatcttgt tagcaccgag 60

tttggatcat gtaggaaatc gttagaatcc cttgaaccta agcgagagtt atgagtcaag 120

tatatcaaag tggggaagat cttgttgaag aagaaaaaaa acttacattc gaaggtaggt 180

aaatcatgta ttctcgagag tcacgtgtgg actangattg gtagagtgtt gaagtctcga 240

aacatatact ttctttcttg aatcatctca tgtttgagac aatgtcggtc atgtggctaa 300

tcatgtttcc ttgtatttgc ttgttcattt caaatttcat cagtgtctcc tatgctatta 360

cctaactcca aatagtatgt cattcatatt ctattatcat tgagatgtca catttgtgat 420

aaaacttaac ttatgaaat 439

<210> 14974

<211> 325

<212> DNA

<213> Glycine max

<400> 14974

tgtgcctctt catgtctaga atatgaatgt agcatataga tttttagacc cttacgtgct 60

tttctgatgg cttcttcccg ttctaagctt caattggagt cttgtctttt acagacttag 120

ttggacatct gttgagtatg taaatagtag tgtagattgc ttcagcccag aatgtgttag 180

gtagtcctt ctcccttgagc atcgatctag ccatttccat aactgtgtga ttctttctct 240

cggacactct attttgttga cgagactatg cgactggtag ttgtcgctca atgccttcat 300

cctcacaaaa tctttcatac tcacg 325

<210> 14975

<211> 362

<212> DNA

<213> Glycine max

<400> 14975

agcttctata tgaagcctct taatgaagct tctagagaag actacatgga gctgactcgg 60

tagaaaacgct gccacgcctt cgtaaacgct tggatcgtct cgaagtttgg tttgcaactt 120

cacaagacac ttaccatga tttaacgctt gggatctttg agaaaatatc tggagtgtgc 180

tagaagcttc cgttcccgag agcatctctt atttaagcat ttcagccttt gctttcttgt 240

agcttaggaa aaatgccatt tcttcttctt tcttcttctc aaatccattt ctaaagttcc 300  
aagtactttc tccatcacc acagccacca ttagccacca caaaccatca ttgttctcca 360  
tt 362

<210> 14976  
<211> 303  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14976

ntaacctcat cgtccctcac agtctataga ttgggatcc aatccaatcc ttgcgttcgg 60  
actctcaggc acttatgata gccgccgatg atcccattac tgcttctct aagctctctg 120  
tcctttctgt atgccgcac ccatgcgttg cgaactcctt ggagtaccct cgcgtttgtg 180  
gtcactgaaa ccncatgcga tgaaaggcat gatgctgtca tctgatggca cttctctcat 240  
gggtgtagcca agctgtctta tggcgacgac gggattataa ttaatacaac cccttgttcc 300  
cat 303

<210> 14977  
<211> 348  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14977

agcttttgat tattatatta tataaccaca catagaatgg tgagatgcct canaatagat 60  
tgccttatca gtaagagtaa gtgtgccagg ccatgccata ttattctccc atttcaaaac 120  
aggtcgctta ctgttggaac caatgcataa aatcctctcc tcagaaagtt gaggaaactc 180  
tggaatctga tatgatattc gtctttgacg cactctgcag taatatcagt accagttcat 240  
cacagaagtt gtcataccaa agaatgtctt gaagttctga gagcattcca gcactatcaa 300  
gcaatgagca tgctgtacaa cagacataaa ttgaaagatg gaactaac 348

<210> 14978  
<211> 274  
<212> DNA  
<213> Glycine max



<223> unsure at all n locations  
<400> 14978

atgtngnng atatatcttg atttcttata actgccttg gattacgaaa aaaatattaa 60  
cattctattg gggttcttac ctgtcaagtn tggaaaaacc agacaaggga tcaactcagt 120  
cattgcatct atacaatcaa tctttctcag ccattgtcat tttgatggct cttacctcta 180  
accttcacac atactttcgg cttatgaatg aacgtgcaag gaggcacctt tcacttgtgc 240  
taaataatga tgaatatcaa atgaagtttc tagt 274

<210> 14979  
<211> 285  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14979

tgcttttgat tgactatacc aagctctang aaccagggac ggagaaagat ctatatatag 60  
gcttgctaag ggtagagaga ggaagactag agaattggat caagtaaagt gtgttaagga 120  
tgaagaaagc aaagtcttag tgcataaaaa agatatcaag gaaaggtgga aggcgtattt 180  
ccaccaactt attaatgatg gatatggata tgactctagc agtctagaca caagagaaga 240  
ggaccganac tataagtact atcgctcggat tcagaaacag gaagt 285

<210> 14980  
<211> 302  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14980

ntacagcaga tnttagtaat gaccactaa cctagaatta atataactta atgccattaa 60  
cctaggaat taaaacaaac taaatggctg agtgtaactg aaattggttg caaccaaag 120  
tcaccccaa cagccaacaa gtcagccacc atttggcttc ccaaaggct gatgcctatg 180  
ttgccaattg ngcccttatt acaacttgaa ctaaagccct tntagttgat taaccanaa 240  
catanttttg gtcagccaac tttaacaagga ttgtgccatt atntagacaa actaaacact 300  
ct 302

<210> 14981  
 <211> 419  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14981

ttgcttctta tgtgtgacat aaaatagtca cgataagatt tgattgggtg gcaatacaca 60  
 ttttaattata ttatttgtat ttctctcatt atttcacttc tcatatatga tccacacaaa 120  
 catataataa agatctaaga caagcttgaa agatgatctg ttttaagaaa tctggaaggt 180  
 gattattaag aaggaaaaat attttattca gattaatttt attgtcactg agaaagaaaa 240  
 aagggttatg tgtgtaaaaa gtcctacacg attaagatat cattattata atcataagtg 300  
 aggggtgtaa gttttaaaaa ataattatnt tatgatgaat tanatgatga tctatcattg 360  
 acagagaacg taaatttatt ttacacatat gtatgaacat caaactcata nattacata 419

<210> 14982  
 <211> 291  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14982

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 aattccctat ttgaacttgt cagcccagcc ttctcagtca aatcttcttg ttatccacca 120  
 ctcttctcca attcgggctt ccattctgaa ttcaccccc tcttttactt cactaaatgt 180  
 aaattcagtg ctttatttca cacacatagc acaataattc aattaaataa tagagcagca 240  
 tacatacttt aattcaaaca tgacataaca ttacatgcag acatataatt t 291

<210> 14983  
 <211> 135  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14983

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 tggccttctt cttagctntg gttatgttat gcactacatt acggtaggtt agtgtaacgt 120

taagttagtg gaacc

135

<210> 14984  
<211> 328  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14984

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ggnancatnc aacttgttca cgatgaggtt aatagcagtg ttggaggaac ccgtgatgat 120  
tatatcatct acataaatga gattaagcag gcagcaacca tgttttgtga atacgagaag 180  
agagggatca cacttggatt gttgaaaacc aaaggagatg agagtatttg tcaaactctc 240  
ataccaagcc cttggggctt gttgtaaacc atatattgcc ttgtgaagtt tgcatacaag 300  
agtggattca cccttgatta aagccttg 328

<210> 14985  
<211> 359  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14985

ttaagtcacc tgcngctgca acttgccttt atgattacag ttgataaaat gacatatcct 60  
caacctgaac acaacagctc tcaacttcaga cctgccatta tgctcacaga taataagcat 120  
aaaaccacaa ttcatacttc agtattacag taagcctata tttaatcaga gatcaataac 180  
atctgaaagg ccttatatct aaaacgcac tcatgtgggt tatggggagg taccaatgat 240  
ttggtaaata atttaagtga tgcagtatgt tgatgtatat ttaaacaagt actacaacta 300  
gataaattac taatctgaac aaatggaatt actaatcact actggattta catgatcac 359

<210> 14986  
<211> 394  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14986

ataaaatatt ggtgtggctt atctttatat taatctcaac caacacattg tgattgtggt 60

gggaagaaaa gaataattta aagggagggg agcagcatgg taaggggagg agggcaataa 120  
 cgtaatttga gtggttga aaattacttg acaggcaatc tttgtctcat atgcaataga 180  
 gttacacca aggcagcaca caacacagcc attcccaaag agaaacaaac acagttgcat 240  
 tgttgcaatt gcaactaaaa tccgcgcctg ngatcgcacc ttcatttcaa aacctgctcc 300  
 atttttttct tcttttcttt cgcttccgta gctctatctc taagcgtgca cgcgcgcgctc 360  
 tagtgcaatt attagttagt ttgattggaa tggg 394

<210> 14987  
 <211> 342  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14987

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 gagaaggagg aanggtgatt gaagacgtca cttcaaagag aatatgagtc aagaagaaac 120  
 tcaccacaat aggaagtcac ggataagagc tngaagggtan gagaagatga gtgaaggagg 180  
 agggaaagaa gagcacgana tttatgcctc anatgagggtc taaactttga agtataattc 240  
 tcaaatgatc aaagttgaaa aaaatgcaca cacaagacct ctatttatag cctaagtgtt 300  
 acacaaaatt agaggaaaaa ttgaatttct attcaaattt ca 342

<210> 14988  
 <211> 351  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14988

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 atcttanaaa ataccattt gtttttaatg aaattgggtc ggaataaaac agataaaatt 120  
 ttaaacaat tctatgttgg atcccttgag agatgagggtc aaattagttc ctatgtgtga 180  
 catgcaaggc gacttactg ttgtgcaa ataggtctagt agtgtgtagc tttccttgat 240  
 tttgagtctc tatggtgggtc aaattgaaat ggtgtttaca atttattaaa ctagagagaa 300  
 atttttttta gcatgtaaat tagaaaaatt atagagggtta ctttcaaatt t 351

<210> 14989  
 <211> 347  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14989

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 cacctcttct cctttgtctt tcgctgcac tccatgggtg aaaatcacca ttaaaggacc 120  
 tcattgaagc tcaaagatcc agccctcata gatgccccac aagcaagctt ccatcaagtg 180  
 gtaatcagag cacaagagct tcaagtaggt gctccttana cctccattaa ttgttttgct 240  
 ntaccttctc ttccattggt gnttcttcat tnttttctcc atgtatctcc tcacatgtat 300  
 ngcgctaaat agttgtaaca tgattcttta aattttccac tgattaa 347

<210> 14990  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 14990

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 tatggaattg ttaatgctcg tgattttgac ttataagtag tgcataatg tgtttatggt 120  
 attataaaat ggttgatatt gaagttcaaa ctcaatcaca agtgatacaa gctgatagtg 180  
 aggggatgac tgatcctact tattcacctt catatttaag tgggggatgac gatataact 240  
 tggatgatga gactatagca tcgtttatgt c 271

<210> 14991  
 <211> 214  
 <212> DNA  
 <213> Glycine max

<400> 14991

gcatgttctc atgcactctg tcaagataac attagccac atccgaaaga taaaataaaa 60  
 gaaacattaa tctccgatat tgatcgaaaa catgctgggt gacgtcgcc aggaaagatg 120  
 accgatcgag gtctataaat ataacgatca ccgatgacg ccaatccaac atttccta 180

tgacatcatc caaatattat ccaatgattg gata

214

<210> 14992  
<211> 356  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14992

cctcgaataa acatcgaaac tcttagactt tcatatggcc ataactntnc acacggatgt 60  
ctgattcggg cgcataatat gtcgagaggc tcgaaattga acaatggaag ctcttgagaa 120  
attccaatag tcataagttt tcacacggat gtccgaatca ggcttataat atatcgatac 180  
gagcgaaaat aaacatcgaa aactctcgag atatcatatg gccataactt ttcacaccga 240  
tgtccgattc gggcgcataa tatgtcgaga ggctcataat tgaacaacag aagctcttga 300  
gaaattcaaa tggtcataaa ctttcacacg ggtgtagat taatgcgcat cacata 356

<210> 14993  
<211> 426  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 14993

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gaaatcagat aaaaattact attccctgat aagtaatcca agccaaacat ataagacttg 120  
ttctgttaca agataaacct cttgccatta tactttctac ccttttcttg caccctaatt 180  
aacaagcccc tcatgtaaat ggtgcagaaa tctctcttct aaacgaagta tngctttgaa 240  
cctcacatgt aagaaaaggg ggaaattcca ctttaattta ctaccncaa gttccaaagc 300  
catctccatt taaacgttct cttttctatn ggttgtgtag aggaaagact gtngatgaac 360  
aatatataca ttanaattgc tataaggaga aactaagtat gcttaatatt gcatgtcaaa 420  
caacac 426

<210> 14994  
<211> 224  
<212> DNA  
<213> Glycine max

<400> 14994

ccttcatagc cacaccacca acatctatgc tagtggttatt gagaatatag aagtaggata 60

gctgtggatt agaaagcatt ctggtgtaag tgatgggatt agcgttcttg acaactgaag 120

actcattacc cataactaat gacccagaag aaccagcttc tgttggttgg aagcagtatg 180

agaaaactcc tccaaatgtg gcattagttt gagataccaa tgag 224

<210> 14995

<211> 445

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14995

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gtaaaaagct atggctcgtt gaatgtgcaa cgaccatcaa cattcaattt cgagcctctc 120

gatatattac gcgactcaat cagacatcag agtaaaaagt tattgtcgct tgaatgtgca 180

acgaccatca acattcaatt tcgagcgtgt cgatatatta cgcgactcaa tcagacatca 240

gagtaaaaag ttattgtccg nttgaatntg caacgaccat caacattcaa tttcgagcgt 300

ctcgatatat ttccgcgactc aatcagacat ccgagttaaa aggtattgtc gtttgaatnt 360

gctcagagct ttagcattca agtttcagtg cctcgatata ttacgggact caatcagaca 420

tcagagtaaa atgggtatcgg cgttc 445

<210> 14996

<211> 213

<212> DNA

<213> Glycine max

<400> 14996

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gataacatta gccacctcg gcaaaaaaaaa aacatgattc accggtattg acagaaagaa 120

atgctgggct tagtcggcca cgaaagatga ccgaccgagg tctaaaaaat aagcgtgacc 180

ggattacgcc gatcgaaccg ctctaatag ata 213

<210> 14997

<211> 381  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14997  
  
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 tgagccatgt tctcagtata aaaattagta gtggatgctc anaatcagaa tatttagaat 120  
 caccctcaac agaatgctca gaatgctcaa aatgcacaga atgaccagga tgcacactat 180  
 gcctaactaa tctatgaaag gttctatcta tttcangatc aaagggttgt aaatcacttg 240  
 gattgaccct agttatgcac tatatgcagc aaataatgtg tttctcaaca agcacctaac 300  
 aaggngtaaa actacagcta tactcaaatg atatcaaat aagctgaaat tntgtgagga 360  
 acacccttaa atcatgaaaa g 381

<210> 14998  
 <211> 362  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14998  
  
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 cttcagaana aagtcacttg aagaattatg actcttggaa atgtattttt cgaaatcagt 120  
 cactggtaat cgattaccat taagggtgtag ccgattacac atcaacagat gtgactcttc 180  
 attntgaatt ntgaaaatct taacgttcta aaatactggt aattgattac atgattatgg 240  
 taattgatta caactttgta aatcagtttg aaaaacaatg ctggctactg gtaatcgatt 300  
 actaccttct gtaaaaagat tttgtgaaaa cttcatgtgc tactcaatgt tttgaaaaac 360  
 tt 362

<210> 14999  
 <211> 438  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 14999  
  
 agcttattgt atcaaaaattg cctcaatcat ttccaaatat gcatgtgaat tangacgcat 60



caacaagaat caagccaagg ctattgtgca agccaatcaa tgggcaaaac acaccanatg 120  
attatgatga tggatggctc anattctcac anaggtaaaa tcatcacttt caaattgagc 180  
tntcaaaact atcatgacat gtagagaaga atcaaggatt tcaagtcaca aaatgtcaag 240  
aactttttatt ttcaaaacaa ttacccattt cttgaacata tcctataatt canagaanaa 300  
catgcaaagt cgtacgtgca cacaaaattg acccaaaata ttaaactaaa aatccgacga 360  
aactaataac attaacaaat taacacaact aacaaatcaa caaactagca aaccaaagac 420  
actccccccc ccccccat 438

<210> 15000  
<211> 378  
<212> DNA  
<213> Glycine max

<400> 15000  
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cctaattatt atccaattta gggcccattg gcagctgggt gttatgtgtc ctacaagcaa 120  
tggtgtcgtc tggtttttgt cattgtttta gaagcttgat tttcgtatca aagctgcaat 180  
aaacaagtta agttttatat tataagacat ttaattcatt ttttaagttgg atacataaat 240  
agtttttccc tcatttacac gtccatatct ttctatgcaa tgcattcaag acattaaaga 300  
ctacttctga cggtaacatt gatcaagcta cacctcagtg gattgagtaa aggtagtcac 360  
ataattaatg gtatttct 378

<210> 15001  
<211> 381  
<212> DNA  
<213> Glycine max

<400> 15001  
agcttttcgt ctccgatttt tccgactatg ctcttgtgtg gtggaacaag ctacaaaagg 60  
agagagcaag aaatgaagag ccaatgggtg atacatggac ggagatgaaa aagatcatga 120  
ggaagcggta tggtccgggt agttactcaa gggacttgaa attcaagctc caaaaactaa 180  
cccaaggcaa caaggggggt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240  
caaattattga agaagatgag gaggtaacta tggctcgatt tcttaatggt ttgactaatg 300

atatccgtga tattgttgag ctgcaggagt ttgttgaaat ggatgatttg cttcacaaag 360  
 caatccaagt ggagcaacaa t 381

<210> 15002  
 <211> 338  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15002

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 tgtccgattc ggggaaataa tatatcgaga cgcacgatat tgaacaacgg aagctctcga 120  
 gaaaattgaa tggtcataac atttcactcg gatgttcgat ccggggacat aatttatcga 180  
 gacgctcgaa attgaacaac cgaagctctc gacaaattag aatggtcgta acttttcacg 240  
 cgaatgttcg attcggggac ataactcatc tagacgctcg aaattgaaca acggaagctc 300  
 tcgagaaatt cgaatggtca taagttntca cacggatg 338

<210> 15003  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15003

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 tttctcaact ttatcttcac cagagctagc aacaattcat ccccatagag gttttacgat 120  
 aaanacagag tgtctctcan atatagagat ggatatacag atataagctc actatagagt 180  
 tacaagatga aaatccaaca aaatcacaaa ggaatctcta catttcttct ttcttttcat 240  
 ttttccttag ctttctattc tg 262

<210> 15004  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15004

Figure 1 displays 12 gel electrophoresis images showing the results of a 1000 bp DNA ladder and various DNA samples. The lanes are labeled with numbers 1 through 12. The first lane (1) shows a 1000 bp DNA ladder. The subsequent lanes (2-12) show the results of PCR amplification of DNA samples from different sources, including human, mouse, and rat. The bands in the lanes are labeled with their corresponding sizes in base pairs (bp).

```
<223>      unsure at all n locations
<400>      15005
```

<210>	15006
<211>	258
<212>	DNA
<213>	Glycine max

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tctcgagagc	cttcgttggt	caattacgag	cgtcttgata	tagtatgccc	cttaatcgga	120
cttcggtgtg	ataagttatg	accatttgaa	tttgtcgaga	gcttccgatt	ttcaatttat	180
agctttctga	tatattatga	acctgaatcg	gactttcgtg	tgacaagtta	tgacctattg	240
gataacctaca	tagcattc					258

6311

<212> DNA  
<213> Glycine max

<400> 15007

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ctatacattg ttcgcagatg actactcatg gaggtgattg ccaacactga cctgtggata 120  
ctcggatcct tc 132

<210> 15008  
<211> 686  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15008

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actggantat gtntantana naanannnnn nnagcgagga ntatttgaaa gcactgcgaa 120  
cacgcgacac tanannanac tcatactnnc atcacgtcgg tcaatgctgg acatttgttg 180  
acagtgacta cacttggcaa tctagactct cacaacacat caatatctac tgactccatg 240  
agttggtcta cncagatata tgttgatcac agcacgcgag aatctaacac actatcctct 300  
gacaaacaca ctttgataat catcaatttt tctgtacgat atgccacacg gaatgttgac 360  
aattagaact ctctgacaac gtccgtataa tcagcctcac aacttgggtga ctgtcaccag 420  
tagcccaaca gacctgatga agtccatgat ctctctgcc caccgatgta acctctccac 480  
acgaaatcta atcacaagca atgcacagcg cgtatactac tagatcttcc aacactctct 540  
gctatggcac atgcgatgta atcgagccgc cagtccaact ggtgcatcaa cggacactcg 600  
tccgcgaccc gcanttacca tgttgctgtc ggacacttat gatgtgcata gcatccacat 660  
gcacatatct cactacgagc gcaccg 686

<210> 15009  
<211> 531  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15009

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atccgtatct actacaacct acattagnga gtttctactt cattcggctc gggcgtcaag 120  
acaantcatt cacattactg tcaacacggg gcaacggact ctaaacttgt acacaggtct 180  
ggctatctcg gcacatatgc gccataaata atgccaaacc agcgtcttga tcattgacac 240  
cttatgcatg tacttaattc gtctgataac atgctacatc tggaatcaac aacaatagta 300  
cttttttagt ataagttctc catatctctg acaatttagc gtggctgtct tccactccat 360  
gatgcctata cgacgcgctg ccgttaactc taactcgttt agctcacact aatcactcac 420  
catgacgcct gctcacacat gaagtaaact tgcacatact cttatgcctc ataattttga 480  
tattcctagc tggtcagaca acgtcgatcg aatcatcttt cgctactctc t 531

<210> 15010  
<211> 347  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15010

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gccatcaaag tctgataaga gtatgatgaa ctaagggacg tctatatggc cacagctgaa 120  
gctttggaac gagaaacaag atggcccgaa aggatgaaca ctaccanagc aaagttttga 180  
ggggctctat atggcatcaa tagtgagctc aagctccgaa taggtgatag gaatcatcac 240  
gggtcatagg catgatcttg aatgacgagc taaaggtttg ccttacgctg aacagaaatt 300  
tggcccaaca tgtagcgag actgaaggga atatgtgggc catcatc 347

<210> 15011  
<211> 614  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15011

acactgacgc cacacntcac actactgtat atagttctat ctctgtcang gcgatcgca 60  
taaaaaaaca aanagagat ggatttgatc cctggaactg cgaacatcga aactccgcac 120  
tactgatcat atcgcaaaga tgggttgata aaaactacat atttatgcga ctactactg 180  
agaaangaaa catcgcacat actatgacct gacgacatga gcaccgaact aagcggtaac 240

ttgatggagt acggaataga agctcgaagg acgctactct tgctcctcta tataatctatg 300  
 ccaaacaaga tcagaacgac ctatgctatc agtaacggca tggaactata caagacacat 360  
 gaggttaaac acaccaaacc gaacttgcta gttttcatga caatcgacgg tctctttaga 420  
 gaatcatcta ccaatgagcg ccatcacgtg gaagaatcgg agacactaca catacacgaa 480  
 gataaactaa gacataacaa ttgataagaa cagacgttga acatcagacg agatgaatgt 540  
 tgctacgata ctgtggaatc atctcagtga gcatcaatac gatacacaac cagacgtgag 600  
 aggcgcgaaa ggcn 614

<210> 15012  
 <211> 438  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15012

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 ctgggtccctt tcttcccttc gcaacttgag ttcactattg ctaccccata gagctccgcg 120  
 aaatttggtc cggccatact cttacttgcg agccctcttg gtctctcgat caagggctct 180  
 tgcggttaatt gcattctctt cccgtgaccc ggcacactcc ttccgaacgt gtgtagcagc 240  
 caacttgaac ttctgcttgg cgagtattgc ctttcctaac tcgcttttga gagcttggac 300  
 ttactcgtcc tcttccggtg cttcataatt cccttcgctg acgactatta acttggcgag 360  
 ccaatctaaa cctcgtatgc gaactttcag ccattcgtgg taccaccaa tgatgccatt 420  
 acgaatgcct ctaagctc 438

<210> 15013  
 <211> 396  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15013

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 cagctaattt caatcattat gcatngtatt aattcagtc aatctaattt attgtggaat 120  
 ggtcataggg ttgccccctt cttacctcaa tgtggcttga gacaaggaga tcccatgtct 180

ccgtatattg ttgcgacgtg tatggataag tcatctcatc taatccttta agctcttcat 240  
gcaggatcaat ggaagcctat gagagctggg cgaaatggac cattcatctc acacttaatg 300  
tttgtggatg atcctttact ctctggaaaa gcatcaataa gtcaaattaa atgtattcaa 360  
catggcttga cgactctctg tgatatgtca tgacaa 396

<210> 15014  
<211> 423  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15014

tattaaatta agtntattnt aatttattat aataaatggt atgatcaa attatgatata 60  
agttctaata agatatgata acttattaaa taagcaattg attagttaat ctaacaacat 120  
ctatgtattc tcatgaatta ttatctatct aaaaacattt tatttattat tcaaaacatt 180  
actttcacia aaatcaatgt ttgaacagaa gtttataaac acagaanatt ataaattaaa 240  
ttgaaatgca ttgaaaatat aatgattttt tataaccatta tttaatcatg tatatgataa 300  
atgtgtttat ttttataata aatattttta gtcatttata agatgaattt tatttgattc 360  
atatagcgta naaatttaa atntcattana tatttataaaa ctcaattctt aatagatatt 420  
tag 423

<210> 15015  
<211> 387  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15015

gaatgaaaga agcgggttgat tctcgcaaaa agaatttttc aaggacgaga aatagttgaa 60  
ggactttttc agttgacggg ttaagtcaaa tgactcctat acttgataac ttacttctct 120  
ctaaaaattnt ccggaatgat aaaatgaggt cacatgaacg tctatatttt tacttgaaaa 180  
cacagtcaat caaatggctt tttctttttt tttttgaact gtcttgcttt actcgtcgtt 240  
ntacggcacc ctcaccaa atgtgtagcag agtaattctt aattgaacgg tcttggaagt 300  
caacactcan gagcgcatgt tgcttgagca nacagagcaa tggctngcac tcacattcng 360

atggaagttg aataagcaat gatgtgt

387

<210> 15016  
<211> 261  
<212> DNA  
<213> Glycine max

<400> 15016

gtgatcacct tggcaatctg atgtcacaa tcatccatat ctatcactcc atcaagtgg 60  
ctaccagat attagccgat cacatcatgg gagaatatat cacacttgcc tctgacaaga 120  
cactctcgat catcatcact ctttctgtct gatatgtcag agggaatgct gacaatgaat 180  
accctgacta ggccttcgta acagtcttcc agcttggtga ctgtcttcag tagaccagca 240  
gacttggtga tgtccatgat c 261

<210> 15017  
<211> 509  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15017

cgacactata gatactaagc tgtctgttta tactcactct ctcgttattg tgattggagt 60  
tatatataag ataaaatgtc accaaatata atgagaaatc tgtcttanat aataaagatt 120  
gaaaagaagc tntggtcttg cttttccttt tattcttctt tcatntgac cacttgttct 180  
gtctatgtca aatngtctaa tgtaacaggc tttctgttgg gctgggtgca cttctccaag 240  
gtgttgatgc aaatgatcac tgttcctggt gccattatct gtcttgtgtt ccaacttcaa 300  
aatggagctg ccatacagag gcagcatatt gtcaggtaag caatttttta cctgaaagcc 360  
tcttcatatg aataatatta tcagatctc tgaattactt atgttcaccg acatnttatg 420  
aatgggtatc tttaaccctt tttcatgcaa ttgttatatt gaatcattat atctctaaac 480  
aaattggtga tctctaaaag tataatcat 509

<210> 15018  
<211> 390  
<212> DNA  
<213> Glycine max



<223> unsure at all n locations  
<400> 15018

tgctcatgca tacgcataca catgcatatt tggtatcttg tgacaggggc aggattgttt 60  
tatgcaatag tcaaacaccg agccaaatcc aaaggcagag acgaatcgat gtaagcagta 120  
acgcggccat gatttgctgc gcaatgtcat ttctgcttt caagtactta tggatgggca 180  
caagtagagg ttaggcccac gatcaacaga tcatcgctcc atgtccagct tcagacaagc 240  
gagaagcgct actgggaggc agcctagtat cctttaaatt cctagatatt attgcttgtg 300  
tgtctntaag gggatggctg gatgccttgt ttaccctang ggcttcgagt tagcgaacgc 360  
cgacccatag agagcgcgta cctttgtttt 390

<210> 15019  
<211> 417  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15019

tagtagagta ccgataatgt gtctaccatc acgattatcg tctccctttn tgcacatgtt 60  
atgtagtgtc atcctatccg gaactatata agaatagtac tgatactgcc taacgaaggc 120  
aaccattagg tctttccaag tatggactcg ggaagggttc aagttagtgt accaggtaac 180  
agctacccca gtaagacttt cttggaagat atgtattagc agttcctcat ctttgcatat 240  
gcccttatct tccgacaata catctttgga tggttcttgg ggcaagtagt ccccttgtag 300  
ttgtcaaagt ccagcaccat gaacttgga ggggtgatga tattgggtac taagaacaac 360  
tcttctaggt tagcaaaggc ataatctata cctncttcaa tggccctgag cctttcc 417

<210> 15020  
<211> 423  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15020

ttctctacaa ttgcatcacc tctcaattat ctagtgaaga agaatgtggc atttaactgg 60  
ggtgaaaaac aagagcaagc ctttgctttg cttaaagaag agcttactaa ggcacctgtt 120  
ctagctcttc ctaacttttc taaaactttt gagctaaaat gtgatgcctc tggagtggga 180



caacctcttg ctntctcat

439

<210> 15023  
<211> 459  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15023

cgccaccag ctcgccagg cgagctcagc tcgctcaggc gagcanggtt gcttcctcca 60  
gaagcaacag ccttttggag gaatcttctg gaaggcccaa gtgggcctgg ttgctatttg 120  
caccgccatt nttactaagt acacccctg cctttntttg gtgattcttt tttcgtaaag 180  
ttacggaaac ttacaaattt cgtaacgata cttgttttct ttccgtaatg ttacggaacc 240  
ttgtggatta cataatcatt ccctttntga cttacgaaat gttacggaac ctactaatt 300  
gtgcaacgat gcttccattt gatttccggg gtgtcacgga accttacaga tngtgcata 360  
atatcttctt ttgctttcca gcatgtcccg gaattcacia attgcctaata gatgggtgcc 420  
angcacctca caaggaccaa acaaaagttg catgtcatc 459

<210> 15024  
<211> 460  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15024

ggtcactcat cactgcattg atctctctnt ctctctctgg ttntgggtctg taagggtgagc 60  
ttctatagac cccacagtgt taactgcagt taagcgtgtg tagtcatttg ctacaacttc 120  
gtactattca gacagacgta tcattcttct tcttaattac tacatcaaca atacaagtgc 180  
aaactcgggt tctgatggaa ttttttcaca aacggaaaag ttacttttac atgcatnta 240  
actgaaatga gacaaagtgt tcagtagacg ttgtcacggt gataagaacg aaagtataca 300  
gagagagaag gaaaatatta aacaaaaaaa ataaagggca ggtcatatgt aattttntt 360  
aacatattta ctanaggatga aaggtagtac tctaattaac cagtcattnt aattttcacc 420  
acttttcgca tatattatta tgggtgggcta tgccgacctg 460

<210> 15025  
 <211> 362  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15025

cgaggcaatg agactacata ngcacatgac acgttcacat tcgaggatcc ttgccggaag 60  
 gcacaacgtg tttgtttgtc aactacactt ggggcactcc aaaacaaata aatgaccttt 120  
 tgtttgatga tacattacat cctcgtagat gtccacaaa tattttgaga aggggaatgt 180  
 acatgtaact aaaccctaga gtccaatcac caaccgacat tagtaattgg atgtgcatgt 240  
 atccacgtac catacggcga atactagata atctcatcaa tgtgattact tgattgcttc 300  
 agaggagaat cacgcatcta tctcctaata atatatcatt gcgtacgttg taaacatgca 360  
 cg 362

<210> 15026  
 <211> 462  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15026

tcaaagttgg ccaatagtag ctgactctta gaactcttat ggccattggg ctctccctag 60  
 aatgcatacc acanacacct tcatgtagtt ctgaagaac atagtaagcc tgggtcttggg 120  
 caagacattn tgagtagagg tgaggagaaa cctctcctat atagtttggt agtcactaag 180  
 gtataccaga catcttgcat tcttagttgt ctggcttttc ccttgtctat tgtgagtgtc 240  
 tcatgtttta agtactcgac tatctctttt ttccatctcg aagggccttc ctccacctgt 300  
 aagcattctt ttcccagagat gttgggttcg ggaaccaaata ggagtgtgaa tgttnttagt 360  
 taccaaggtt taggtcaagt tgcaagttaa gccaaactcg cggctttgtc attaacttct 420  
 tagcttatat gaatcaccta aacttcctca nactcttctt tg 462

<210> 15027  
 <211> 321  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 15027

acactatcaa actaagctan agacctatat taactttata tgtacaatat attaaacagt 60  
ttcaataatt tagaacccggc cttcttattc aacctattgt ataggattat agagatacaa 120  
accaagtttc tttcttttcta tattgctacg tgctccatac aatatataat taaactgtca 180  
tataattacc aataaaattg tcatataatt aaaagtcatt ggaaattatg aaaattacgt 240  
taacaattag atttaaagta ttatcctatt tggtaaaatc tttatactta catatatcaa 300  
aatcaaatca aataattatg g 321

<210> 15028

<211> 485

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15028

gagatccata gatctaatacc aaggtagatg tttcataaat gggatntcgt tgcttggtgtt 60  
gtttgattcc agtgccacct attcctttat atcctgtttg taagtagaaa aacttaagct 120  
nttctgtgtc ttcttttaaat aaagatctag tgggtggagac ccctactagt ggttntgtgt 180  
taacttctta tgtgtgtttg aattgtcctg tggagatttc tagtagaaca ttcttgattg 240  
at ttgatttg tttgcctttg agccagattg atgttattct tggtatggaa ctggtatctt 300  
ccaaccatgt cttgtttaaac tgttttgata aaagtgtggt gtttgatgat tctgtagtga 360  
gtaaagatat gatgtttatc tctgccaaca aagttatgac atctntaaag gaagatgctc 420  
aagtgtacat gattctgtct aacctggata tagagaacaa ggtttctatg tgtgaacttc 480  
ctatt 485

<210> 15029

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15029

ttgctgcatg gaagggaaaa ggtctgtatg gtggtcagca gaggagcaca aaccacaaac 60  
ccttgcaaca ggtacagatt tctgattcaa ggccagctgg gttaccaagt taaccaatgc 120

atccagtttt ccttcaagct tcttaatttc agatgatgca gatggggttg tagctacctc 180  
 atgcactcct ctaatgacta tggcatcatt tctgggtgcta aactgttggg agttggaagc 240  
 catcttctca attaaatttc tggcttcagc aggagtcag tctccaaggg ctccaccact 300  
 ggtagcatct atcatacttc tcttcatatt actgagtnct tcataanaat attggagaag 360  
 aagctgttct gaaatctgat ggtgggtggca actggcacat agtttattaa atctctccta 420  
 gtactcatac a 431

<210> 15030  
 <211> 309  
 <212> DNA  
 <213> Glycine max

<400> 15030  
 cactatcata ctacagcttcg gctattcaat tgctccagat tgctgcatag aagggaagt 60  
 gtttgtatgg tggtcaccag aggagcatat accacagagt cttgcgacag gtacaaattt 120  
 ttgattcatg gctagttagg ataccagggtt aaccaaggcg tctagtttaa cttcaagctt 180  
 cttagtttca gatgatgcag atgaatttgt ggctacctca ttcacttctc taatgactat 240  
 agcctcattt atggcgctaa actgggtggga gtcggaagcc atcctctcaa ttaaatttct 300  
 ggcttcagc 309

<210> 15031  
 <211> 436  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15031

tccagtaagg atattgtaag aattgcagct gatgtagctg ttngatcaa gtntaagaat 60  
 gatcacggtg ttgcatacag agatcttaat acgcagagga ttctgttggg taagcatggg 120  
 aatgcttgct tgggtgatat gggcattgtc actgcctgca agaattgctg agaggcaatg 180  
 gattatgaaa ctgatgggta tccatgggta gcaccagagg ttngccccta atcacactct 240  
 nttcaagtta gcaaagcaat tgctgaaatt atgaagaaaa caaatgtatc aggccactan 300  
 gctgcatagt cttgtttaat tctgtattgc atctcgcata aatattccct atatttctcc 360  
 ntgagtttct ttcaatagaa gaatanaatt aaagacctaa attctttaag acctagactc 420

tgcaatctgc atcaca

436

<210> 15032  
<211> 495  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15032

nntgctgaga aaatggctct tttaatatth ccacagaaga taaatcagtt accctgtcgc 60  
ctacaaaaaa agtatgtata gttgcaatat aaatgaagca tctatcctac aaggacacta 120  
tttcaaakat atcgtaaaaa ttaacagtaa tgaaaaagac agattcattg ctagacaaat 180  
gttagcctaa catcaagcaa aatggaagca cataatagcc agaataccta gtaacagaag 240  
tggeatgatt aatagaakat caagcaatgt caaaatacct atcatgcatt gtgaagtaaa 300  
cagttcagca gcctgagcaa gatatttatc acacagagag tcatcacttg aatttccttc 360  
agcctccact aactcatgcc tctcagaacg atcaccactc agaagaatat gactagcctt 420  
ggaagggtgaa cacatatatt agaaaaggat acagaatana aatcaagata gtgacagtga 480  
cagcccttct aacct 495

<210> 15033  
<211> 491  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15033

ntntctcagg tttctctgca aaggtttcca agcgttaaag tataggaata tagattggag 60  
ccacaattct actgtctccg tgcgagatac atttctttat gaatacatta tttctaagat 120  
cccaacagtg agaatgtgca aaaatgactt ccaaagggtg tgcccaaatt tcaggataat 180  
ccaacggtta acgagtctac gatcgtaatg ttactaagac aagtttgggt atatgcggaa 240  
tagagagagg ttttgggaga agaagaagac agaatgaact tgggaggagc aaaaagcata 300  
gagacgtatc ctangatgta aactgaccta gtatgtctct atttatagct acgggactct 360  
taagctatta tttattntat tatttctcta aaaaaataat tctattctac tttttcatca 420  
gataaataac anattagaac atccatttat gtctacaaca tcatgttact ctatttattt 480

tctaatacta t

491

<210> 15034  
<211> 387  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15034

gacactatga atactaagct tgttatgatt taaggtggga tcaacaacaa attggctcag 60  
atgttgctca acatatgtgt cgcaatctac ccttcggcgg gagggcgacg cgtgactcgc 120  
gggatgcgtg ttccacgaaa ggaatacgcg cggagtcgcc accaacgttt atttgaggaa 180  
aacgtcggat aaaccggata agacgcgac tacgaacttt taagtgaaag gctctggagt 240  
tgtatttacg cgcggggaag gtattagcac cccacacatc cgtcacaagg gacggcaacc 300  
tttaatcgaa tgtgcaaact tgacttttga ttttacgttc ccttttatgt ccttatatcc 360  
tttataccct tnttatattn tattctc 387

<210> 15035  
<211> 178  
<212> DNA  
<213> Glycine max

<400> 15035  
tgtgctaaca ctattctgta cttgagaaga atcggaatga tcgatatgta tgaggacttg 60  
gaattaggat aaaatctaag tatctgaata gcatcaccac attaacaaat aatataaatg 120  
tcatgttatg gagagcccga taaaaacaaa acaaattaat gaagcctaca ctaataaa 178

<210> 15036  
<211> 370  
<212> DNA  
<213> Glycine max

<400> 15036  
tcacgatcgt cacgtgttga ttcaactatt gttattcgtg gatatacgag acatcttgcc 60  
acacaatgtc aggatagcca taactcgect gtgcttcttc ttccatgcca tatgtagcac 120  
agatgttgat cctgtcaagt ttgatgaact tgaaaatgac gccgtaatta tactgagcca 180



gttgagatg tattttcccc ctgctttctt tcacatcatg attcacttga ttgagcatct 240  
 ggtcagagat atcaaagtgt gcggtcctgc ttattagcgg aggacgtacc tgggtgaaca 300  
 atacatgaag atcttagagg gtatacaata atctatatct ccagaagcat ctattgtgag 360  
 aggacattac 370

<210> 15037  
 <211> 481  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15037

tatggacgtg tatcttagca acccttgact tgtagtcaaa tggatatctaa taaccacatc 60  
 ctaatatgtt gggtttggtt gagttttatt cctcgggtga tgtttctatg caatgcttct 120  
 aatgtgatgt ctcgatcac atgtaatat tcacattntc tagaattgaa ctccactcct 180  
 tcaacaaaat cactcatttc cccatcgtaa tggataatag cctgaaaggc ttgcttttga 240  
 gtaaacatta ttttggaat ggactaatga caaaattgag attgtacttt ggtgatattt 300  
 gtgaatacac tagtagacat tataanatag atatagttga atagcagtat tatataccaa 360  
 tcaattatga aacaactgtg gacagtgtga aattcacata atactgcctc angctctaca 420  
 tcatgtttgc actgatcaat ccantgactc attggattcc taccttattt tcacctctat 480  
 g 481

<210> 15038  
 <211> 421  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15038

aaaacttggtg ctattcattc ttttcatctc ttctcccttt tccanaaaga attcgccaag 60  
 gactaaactgc ctgaattctt tttgtgtctc ttttctccct tttccaaaag aacaaaggac 120  
 taaccgcctg aattcttttg tgtctccctt ctcccttgtc aaagaattca aatgacaca 180  
 gtatgagaat tcttttgatt ctccctttc cctaatacaa aagtgttcaa aggactaacc 240  
 gcctgagact tcttttgtag ccctattcac aaagtatcaa aggtttaacc gcctgagatc 300

tttgtcttaa cacattggag ggtacatcct ttgtggtaca agtagagggt acatctactt 360  
 gngtttgact gataacaaga gaggttacat ctcttggtga tcagttctag tagaggggtac 420  
 a 421

<210> 15039  
 <211> 576  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15039

ctctttactc tctcaactaa tcttccgacc ctacttatt gcgctgacaa ctatnnnana 60  
 annannaaag agaattattga nacttggtca gtcgcatatc aaactcaact gtggcgctcg 120  
 tacttaggggt tcgctttgat tttcgcgcta ttgttgcat tctctactag cttacctctt 180  
 atatgccatt tttccggcgt ggtcctcgtg ctgtgttaaa gtgctgggtt ttgaaaatgt 240  
 cgtgatgtgt agtcggaacc gagctgtttc atttctactc gaccgacgta tgaagtgttc 300  
 ttcggttaact attagctttt atggaagaag cttttcctga gaaatttgaa catacggaag 360  
 aagttcttcc atatgattca ttatgcagaa cttcactccc aatgcatact ctatccttcg 420  
 gaaatatcta atttattctt cctcctcctc gattccccca actgtaccgg ctataatact 480  
 cctataatgc tcaactcatcg tttttctacg tctgattatg cccatatcat aacttatttc 540  
 ctaataacttc tctcgatatc tgcgcgcgcg ctttct 576

<210> 15040  
 <211> 459  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15040

tatgcgcata tttccctacg aacgttcact tgcacaagac atcctattat ctaagaaaaa 60  
 tgcacccata tacaatcaag gtagcttcat tacctagatt atttacctgt acttccaaag 120  
 tgtatttgtt atttacctca tacacgccat cttgtcaaaa ttacacaca tgcatactca 180  
 aagcatttcg gggtagcaaa aattgcacat gcgctcatct tgggtatttct aatatctata 240  
 catatacaaa cttcatgatg aatcttgact acctacgcaa taagggtgcta catttcatgc 300

tctgtgtttt tttttttttt caagtttttg ctacctaaag ccatatgcaa attcaagcat 360  
 atcttccctt gctgactaan attgtattca aattagaagg gatataatttg tttggaatat 420  
 gtttccctca cataacatgc aacacatcta tatatatat 459

<210> 15041  
 <211> 432  
 <212> DNA  
 <213> Glycine max

<400> 15041

caacgaagac agatgagaat atcagtgaat acttctcttt tatctccata ttatgcctag 60  
 acttggtacc ctacaattgt tctcgaaact accactaaaa ctatccgtta ctttatataa 120  
 ttcctctcat gggctatcta acctctattg ttttatgaca aattatgaga gatcacattt 180  
 tctttgatac taatatgata gcatgtgcat ggtcaagaat atcatataca tcgataaaat 240  
 atatgaaaga aaaataaatt gatacgattt aagaacaagt cgcttgctta tgtatcaggt 300  
 aatttgaaac tgacacgcat ggaggcaaga gataacgatg aaattgttga ctagagagtg 360  
 aagaacatag taagaatctc aatatctaatt gtgtattata cagattcgat gcaagaaatg 420  
 tgtattgata ta 432

<210> 15042  
 <211> 472  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15042

gctcatcaat ntattaggaa ggtacaccca tcttaatttt cattgctta ctccctttt 60  
 cattntccta atttgtatta agtgtggttt tagtttcttt atttttgaac ttttaataaat 120  
 atgggtcatt tgttacttct ctttnttact taaaatcttt acaaattaga tttgattaaa 180  
 ttgtttttct cagaactcat tagtcaaaat atcaaaattt tcacctaaat ataaaaagaa 240  
 attcaaaatt ttccttcttc acatcttaatt ttcacatctc ataaaattta tgggaatttt 300  
 tcaacttatt tcttacttct atgcttctaa aattatttca tctctagaaa aanaagtaca 360  
 cggaagacca aatntactaa atntaaaggt anacttagca gaataanatc ttntcgttga 420  
 cataataacc ttctacagt ttcagttctg gcttctcttt tgagtaagtc ac 472

<210> 15043  
 <211> 157  
 <212> DNA  
 <213> Glycine max

<400> 15043

acatatgttg atcatgaatg gatcatggcc ggatagcacc cttcaccagc aaacgacatt 60  
 cagatggatg aggaagctca gcaggagcca cctcaccacc gaaacccttt tgagtctcta 120  
 atgattaaga gaatggatgc tacccttcac ctccatc 157

<210> 15044  
 <211> 438  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15044

ntaatgaact tcaacttttg cttgagggta taccctcccc aaccactatg gtgatatttg 60  
 ctccacttaa gagccaccat antttggaat cccttgcct gcaccacca atccatgatt 120  
 ntgaaaggct tangtcccca gtcaatgatt ntggatctca aaagaatagg gcagtggctc 180  
 gaanaattcc tatccaacac aaactgggtg gtatcaggcc attgaaccag cccaatttca 240  
 gataagaaaa acctgtccag cttactcatg gcacttccat taggtctgaa ccaagtgaac 300  
 attctgcaa tagatctaac ctctcttaag gccataagt aaatccaaga gttgaattca 360  
 gcaatgctag aggagttgac cacattctga gatgaactca ctctctcatt ntgatgtcag 420  
 tggagaaaagg tgatgaca 438

<210> 15045  
 <211> 470  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15045

tgtgcttaac actnttcttt acttgaaaag aatcggaag atcgatatgt atgaggactt 60  
 ggaattagga taaaatctaa gtatctgaat agcatcacca cattaacaaa taatataaat 120  
 gtcattgtat ggagagcccg ataaaaacaa aacaaattaa tgaagcctac actaaaaaaaa 180

aagtcacgca tgattgcatg ttataactat tttgttataa ttatcttgat accatttacc 240  
aactgtcgct gttgtgccta acaaccaagt gtcaattagt ggctgtgaag atcaaccaca 300  
caacgaatta atgactaaga ccttgcaaca agaaaaccaa ctgaaatgtt taaaaatgtg 360  
ctcattcgat cttttaatta gcgntacaa tttccattnt cctacattat gaaatctgta 420  
ctttagaaga acaattacac caatacaaag aaaagtaaat catgctgtca 470

<210> 15046  
<211> 471  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15046

nttcgcanag cttacggtaa aatctgggac ctagccatgg tagaagtctc catagaggcc 60  
attgcctccc tcgcccagta ttntgatcag ccgttgaagt gcttcacctt tggggacttc 120  
cagctatcac ccatggtgga agagtttgaa gaaattctgg gatgcccact gggaggaagg 180  
aagccatata tttcctctgg gttctatccc tccatgacaa gagttgcaa ggtagtga 240  
atctcagcac aagagttgga ccatgtaaag canaacagga atggnngtagt cggagtacca 300  
atgaagtggg tggaggaaag ggcaaagacc ttgacaaatc aaggcgaatg ggcttctttt 360  
attgacatct tggcactttt gatctttgga gttgcctctt tccnatatgg aagggtagt 420  
gacctacag atgacgcttt ctcgctttca tatggcagga tagccagtcg t 471

<210> 15047  
<211> 423  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15047

tgtagcanat tcgaacgaca ataacatttc actcggaagt ccgattgtgt tccgtaatat 60  
atcgacacgc tcaaaattta gaaccgaagg tcgcagcana ttctaacgac aataacattt 120  
cactcgatc tccgattgag tcccgtata tatcgagacg ctcgaaattt aaaaccgaag 180  
ctcgacgaa atgctaacga caataacatt tcactcgga gtccgattga gtcccgtaat 240  
atatcgagac gctcaaaatt tagaaccgaa gctcgagca aatgctaacg acaataacat 300

ttcactcggg agtccgattg agtgccgtaa tatatcgaga cgctcgaaat ttaaaaccga 360  
 tgctcgcagc aaattcgaac gacaataaca tttcactcgg aagtctattg agtcgcgaat 420  
 ata 423

<210> 15048  
 <211> 590  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15048

ccaactcatc cctnacatca tcaaatttaa taattcgctt atatactann nnnnnnaag 60  
 aggggaatga acctggactg cgaacattaa actagcttgc tanagagatc aggatagata 120  
 agcgactgag ggaaccagct cctctcccgt atatgacatt caccattgta ggagcgctga 180  
 gcaccagcta cgcttccaag ccatcgaggg atggtcattt gtgcaggagc gactacttcc 240  
 cctcacggac gactacctat actgacttat atgacgagat agatgaactg agggcgagca 300  
 ttactgggta cctncatggc caagttgact cagacactgt cctcgaatta tatgcccattg 360  
 cttgtcctac catagacggc ctgccagata tgcgactctc ggtgatgggt cagtggatcc 420  
 ctatcgatgc cgatactctc tgaacaatcc tgggatagcc ctaatgtttg aggacgctca 480  
 gcaatgcgaa actaccacat gacgaccngc tccactgggt cgatacagag ccatcaccat 540  
 atgcacttat acatcggcag atatgacaga cttccgcaaa tacagaccgg 590

<210> 15049  
 <211> 133  
 <212> DNA  
 <213> Glycine max  
 <400> 15049

tatcttttac tcgatgatga tcgttcccgt ctataacgag acgctcgaca atgaatgggtg 60  
 aagctctgag ccaattcatg cgactatata tttctactcg gatgtctgat cgatgcccggt 120  
 aatatatcga gac 133

<210> 15050  
 <211> 394  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15050

tactcagctt ctgatgtcta nggttttcta gagagagaat ggtccacgtt ccacacatgt 60  
ttgatatctc tgttgtgtga agactanccg agaatcgagc tcgaagagga tgtcgacctg 120  
agagcataat atgagtctgc gagtgtattgt gacgtttctat aggtggagga gacatcccca 180  
ccactcgtat atcttcaatc catcatcttt ctactttcta tgttgcaaag ggagctttcc 240  
agttatggag agctaactct ctggttggttc tacctttgat gtacttgacg taaatactct 300  
gtatatctat tgcacgatgt cttgtgagtc cactgtgcta tcgaaacttc ttattacctt 360  
gctgtgcctt gatcacatag atgcatgtgt cttt 394

<210> 15051

<211> 438

<212> DNA

<213> Glycine max

<400> 15051

actcagctat gttgcaacat tataatagat ctctcagca gcataaccaa caactatctg 60  
aattattatg atctttacag caacagatac aatccagggt ggaggaatca tccaaatttg 120  
agatgggcaa gcctccacac aacacagcct gctctgcttt ccagaatgct gctggtccaa 180  
gctagccata tggtcctact ccaatacagt cggagtcaca acaaatacta caagcaactg 240  
acgctcttcc tcaaccttcc ttaaaagagt tagtgaggca tatgaccatc cagaatatgc 300  
aattacagta agagacaaga gcctttattc agagtttgac aaatcagatg gggcatatgg 360  
ctactcaatt gatccaagct cagtcccaat atcttacaaa tattcttgac aactgtgcag 420  
aatctgaaaa tgtgagtg 438

<210> 15052

<211> 575

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15052

ccccactcaa tattcatgat tcagactata tgtacactaa aannaaaaaa aagatagatg 60

aactgataca tcgaatacga actaagatac tgccgaagca gagaaggata ctgcatcact 120  
 gcgctattaa gattgtagag cgaacaaacc atcctagatg atctgctcga ccacatacta 180  
 tgccctacatg cagcaccgca acaaaatatg gacttggaga ttcatatcga ccttgtataa 240  
 tccatcatgg gtctaagact gcttaaggca tgaccttgcc tctgacttct tgacatacca 300  
 atcaaagtgt cgcatacct gagactgata ctccatacat gctccctcga atgtccaagc 360  
 tataccagcc gcaactcgaa tgacactgta ctctatcga aaaatgaaga acgctaccat 420  
 agatatgcga cgacaatatc gcacctgcg agccatgcat atgctttgaa atgggaacca 480  
 tacatatctg aggcgctgca cactctgaaa taatgtgcga tnggaaaagg aatatacaac 540  
 acataactta gggcggattt ctcaaaacta ttgcg 575

<210> 15053  
 <211> 566  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15053

cgaggacgga annactggat accttgatac cccaccgatn tangcgacac tatagattac 60  
 tcaagcatga tccaagatat gtgatatgca tgtgctaagg ggggcattat gaggttttgt 120  
 cttattcggc atggctagga ctctagtagc catggcttaa tccaagatat tagatctgct 180  
 tgacttgata ggggtgtatt gaagttctcg gagcggcata tccatccata cctccttctt 240  
 agtcttgta aagntgggct tgtccacctg cttcttggtt aacatagcct caactcgaac 300  
 ttgcgttctg ataatgctca ttctgctcgc tgctgaaca tggtcgcctt gtgctgccac 360  
 tcttgcataa cgaatcgacg actccttgca tatgctattt gtgcacgtat ccaccggtgc 420  
 atcgaccact atatgcctac gtgcgggata tccaaagcta ttttctgaa acatctcctg 480  
 ataccctgaa gtggttctgt cttctctcgc atatgttgac caacgtcatc aacgnctact 540  
 gactgcgctg gacaatacgc aactcg 566

<210> 15054  
 <211> 458  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations



<400> 15054

ctcctactct catgttagca tgcattntct ttctttactc actcctcacg tatggtgttt 60  
tagggataaa caccataact aaacgcgccg catgggatcc ctatcgcacc agatccatat 120  
ctataacgat gggatgatcaa gaggagacgc atgaacagat gacagccgac atgtccgctc 180  
tgaaagaaca tatggcctcc atgatggagg ccatgttatg catgaaacag ctcatggaga 240  
ataacgcggg cactgccgcc gctgtcagtt cggcttgcca agcagacccg actctcttgg 300  
aactacgcac cattcttctc catacatagt aggaccgcca agggacacac tgatgcacga 360  
tggcagctct cacctgtgat acaaccgagc gggttaccct tattgattgt cgncaactat 420  
taccacccat cttgcaaat atgcgggcac attgttct 458

<210> 15055

<211> 447

<212> DNA

<213> Glycine max

<400> 15055

cttctatggg catgggtatt gctagtttgc tcgataccac ttccttctat aactaggaac 60  
atagtggcat ctgctgtaac gcttgtttcg acttagtggc cctatacatg atgatatgcc 120  
cgttggtgat tggcatgttg aacaagccac gcctgacatg tgtgaactga ttaccacggt 180  
gcgacctcca ctggactcgc tgattattat gaccctgctg gatacctgat aactgtcttg 240  
agatactctt tgatatttga tagctgggac agtgtggaac ggatgtacga atattgctta 300  
catcatgcag ttatgtggac tttgacagat actctgtaga tacgcagaaa ttgcacaacg 360  
ttgggcacct cgctaattgg ggctccaacc aggaggaatc actaagtgtg ttgacaggtc 420  
acacctgtt actcttcttc taacatc 447

<210> 15056

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15056

cattcactnt cttctacatc atattctaac ttgtccacac atgacattga gacagtctcg 60  
actcactgac agtcatatga gtcgtcatac aaccgatata gaacatatat cctaattgtca 120

catcctatcc gagcgtggcg atcccgtgtc ctctagcatg aggttcttga tagacatcca 180  
 cctattcatc tgctcccccg aacacatgat ccagatcatc acacgatctc aacacaacaa 240  
 cacacaggaa gtgagctatc acattcctag ctaatacaga atcaagacaa ttcaatatac 300  
 ttcttatata gttgagatac cacttgctca agcataactc acgtaacgtt accactgtca 360  
 catgtcaaaa tcactcttca attatcaacc acattacac 399

<210> 15057  
 <211> 219  
 <212> DNA  
 <213> Glycine max

<400> 15057  
 cgagatgagg aagtgttgaa gggtgaaact tcctgacttt attggtgact cacagagtgg 60  
 tacctggaga tatgtcgcgg aggtcatgag accttggtga cgtcagggtg tgtgctattg 120  
 cccaaaacca agcttgacca atcccgaccc aaccgggca tagtcggtca gtgagaacct 180  
 gtgatgtacc taagcaggcg agctcctcgc agtcaacag 219

<210> 15058  
 <211> 387  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15058

tgtagaatgg ctagacatga tacatgtcag ggtttggttt ggttcaagga taaaagggat 60  
 gccccacatt atttccatga cacaaatgca aagatgatga cttggaaatc ttatgcaaaa 120  
 ctgggtcatgc atgcacctat gtggacgctc aagtgtcana tttttatggt catgtgaagc 180  
 tagggctcag gattcatttc ctctatttta aatcaaccca atgtttccaa aatattgtct 240  
 tttatcaatt tatgcattta tcctagtcca tttcgtgcgt ccggcgaaat tntcacagca 300  
 ttcacgcttc aggtgtagac acgttatctt tcanaaatc gggttatgatc aatgatattt 360  
 tttctcaaag aaaagttgga aatcatc 387

<210> 15059  
 <211> 447  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15059

tgatggtggt gagaagaaat cacatgtttg tcatcatcaa anagggggag aatgtgaatg 60  
tatgtataca tgattntgat aatgtcaaaa gaagaatcaa acaaggctca ttntgcttca 120  
agattaatac aagattgttt caacaaacaa agccttaatt caagatttct tcaagatcaa 180  
gccttgctc acaatgaaag gtttcaagtc attcaaggca catgtaattg attaccaata 240  
catgtaatcg attaccaatg gtttgaaagt gtgtaatcga ttacacatca tatgtaatcg 300  
attaccagag actttgaatg ttgggaaatt caaatttaaa tgaagggtca caactgttca 360  
agaaaaacaa ctgtgtaatt gattacacta attctgtaat cgataccaga gaggaattta 420  
aggaatatcg caacagcaca tcttata 447

<210> 15060

<211> 299

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15060

atcctatctc cgatagccaa tgggtaagtt ccgtgcattt agttctaaag aaaaccggtc 60  
tcaccgtgat caaaaatgag aaggaggagt tgattcctac tcgggtgcag aacagttgga 120  
gggtctgcat cgactataag acgctgaacc atgttaccaa ataggaccat tttgcaactgc 180  
cattcattga ccagatgctt gaacgcctgg caagattcta caggcgctct attagagaat 240  
ttagcacggc acctgattgg accgccccat ttgagctaatt gtgcgatgca tncaattac 299

<210> 15061

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15061

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aanagttatg accatntgaa tttctcgaaa gcttccgttg atgaatttca agcgtctcga 120  
tatattatgc gcctgaatcg gatctccgag tgagaagtta tgaccattta aatttctaga 180

gtccttccgt tgggtcaattt cgagcgtctc gatataattat gcgcctgaat cggacctccg 240  
 agttaaaagt tatgaccatc tgaatttcta gagaccttcc gctgttcaat ttagagcgtc 300  
 tcgatataatt atgcgcctga atcggacctc cgagtgaaga gttatgacca tctgaattgt 360  
 tccagagctt ccattggtga atctcgagcg tctcgatata ttatgcgcct gaatcggacc 420  
 tccgagtga aag 433

<210> 15062  
 <211> 452  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15062

gatatagata aagggagagc atacctttaa tgctaaatag tatgatgaaa tgggtaccacg 60  
 tacattgtct gtaacaactg ttaaagtatc cttgatacta tgtcttgagt atagagataa 120  
 taacgacaag ctcttatcag cccaatgcat gatataattt ataattacgc agttttattta 180  
 atatcaccgg tgatatatag ctgattaata atattactgc taccagtgat tgctttacta 240  
 gaagactatt aagcttcata gattaataaa ggttttgaat gacgaataac aggccataag 300  
 ctgaattaat ctgttcattc ttagaanaca aaagaaggta catgaacctt acaattccac 360  
 catttggtg tcttcacccc ttccaatcct acattggatc tcatgacaac cttgagacat 420  
 cttacatgac attcgcacca tgtctcagaa ta 452

<210> 15063  
 <211> 403  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15063

ttgagccaat atcctgactc accataaacc ttgacctatg gtgagaatgt caatccttac 60  
 cctcggaagc aaannaatga atagagggga aatctccaat caaagaacaa gagatggaat 120  
 atttccaatg aaagcataaa aagaaaagaa ggaaaattcc ccaatcagag agtgtgagaa 180  
 agcaaaaaaa gaatataaat gacattccca atcaatgagt gtgagaaagc aataagataa 240  
 gaaagaagtt cccaatcaaa gaatgggaga tagagaaaaa aggggagaaa agaaggaaag 300

aaagctcctg atcaaggatc gaaagaaaac agaatacatg tgcataaagg tcttttaacc 360  
agacaatatc tgaacaatac agatattgta ccaaataaac aat 403

<210> 15064  
<211> 332  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 15064

acgaatgaga aaatggngca aatgaagagg gtgagaaaga gggagaaacc catgctgtga 60  
ctgccattcc tatactgcca agttccccac aatgtcatta ctcacactat aacaaacctg 120  
ctccttacct accacccaga tatccacaga ggccatccct agatcaacca cacagactgt 180  
ctaccgcact tccaatgacg aagaccacct ttagcacata ccanatgaac accaaciaag 240  
aggaattntg cagcataaaa gactgtatgt gtcaccccaa attccgttgt catatgctat 300  
actngatccc atatccactc aatatttcaa tg 332

<210> 15065  
<211> 463  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 15065

tatanatgca tcaactnttaa tattctctgc ataanaactt anatgatgtt aatntaacia 60  
ttatntactc anaaaggaga aattagaaga gaaaaattac aaattccttt ataatttaac 120  
cctaagatat actcataatt agcagttatc atccaccttc ccttaacaca aggtcagtaa 180  
gtgttgactt gccaccagtc atgtgcctag agtagccact atccaagtac catagtgagt 240  
ctcttgcttt taggaacacc tacaagacia aatcaattag agagaggtgg tacctaattg 300  
tggttaggtc taacgaggtt aatttcacata attaatctt taggagtcca aacacattta 360  
tctctaggaa caccaaactc cctaacataa catttatagg acgcgtgtcc tctnttcttg 420  
caataatgac aagtatttac attaagctta agatgaacta tac 463

<210> 15066  
<211> 465

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15066

gtgatcatgt attccgaaat atatggggat aatacggatg cacattntat ctatatacaa 60  
 ttgtttgttg cttgcttgaa tcttgatttc aggtattgta ttgtcatcat caaaaagggg 120  
 gagattgtag ttgcaattgg ctttgatngt ttgatgatga tcatgatgat gtgttgcaat 180  
 tgatgcatat gggcttttca agattaaaat tcaagacaat acttcaagat tacaagtcac 240  
 aacatcaaga tgatcactag aatattagga agggaattcc taattgaatt agcaaagggt 300  
 tggccaagtg atataaaata aaaagtgttt ttcaaagggt ntactctctg gtaatcgatt 360  
 accagaggat gtaatcgatt accagtggcc aaatacgttt tataacagct ataatnaatt 420  
 gaattcgaaa tttaaaagct gtaatcgata cacaattgtg gaatc 465

<210> 15067  
 <211> 448  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15067

tgctgtccg atgcagccgt aatgatggcc cgagttatgt tggngaactg ttacgaaccc 60  
 gggatgggtt taggcaaaga caacggcagc ataactagcc tgataaacgc caaaggaaat 120  
 cgtgggaagt atgggttagg ctataagccc actcaggcag atataaagag aagcatcgcg 180  
 ggaaggaaga gcggtagtca aaactcgcag ttgagacaag aaggtgaagg aagcccaccc 240  
 tgccacataa gtaggagctn tataagcgcg ggtctggngg acgaaggta agtggtcgcg 300  
 atatacgaag atgggtgttcc gagtacattg gatttggtag gaccaagccc tcttgattta 360  
 cagctgggaa attggcgagt ggaagaacgc cccggcattt acgcgacgag cataatgtan 420  
 acctttacag ttntaaaagc tctatagt 448

<210> 15068  
 <211> 426  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 15068

taaccaanag taaaagtgat aattaaaagt acacagtgaa tattaagag tgtangatag 60  
aagaagacaa acacaagatt tatactggtt cagccacaaa tcatgcctac atccagtccc 120  
caagcaactt acggttcttg agatttcttt caaccttgta aaatccatta caagccaaag 180  
atccacaagg gatgtacctt ccttgttctt ctttgaaaaa ccaagtggat gtaccctcca 240  
cttgaactga tacacaagag atgtaccctc tcttgttcaa agtataacaa tccccaaagta 300  
gatgtaccct ctacttgtag cacanaggat gtaccctcca atgtgttggg acaaagaatt 360  
ctcaggcggt tagtccttcg aatctttgta aaggggaaac aaaatatatc tcaggcggtt 420  
agtcct 426

<210> 15069

<211> 453

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15069

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aagattaaag gcattctata acaccctcc cttcaagtat gaaaccattg atcagggttag 120  
aatgattaac aaagtgtacc ctctaaccga acatccaaat tntgttgggt aaaatatggt 180  
ttcggtagca aaaaatattg tgaaattcaa gcttaggttag ttataaaaat ttaatagttt 240  
agtcctaaca tttgagggca agcaaagttg tgcttgatta ctagttgggc atgcgtttga 300  
atctagaaat acgtaaggat aagactgtta aaaatattcg atctatgtta aaatgtaagg 360  
actaaaaact tactatatat aggaactaaa tataacattn tgaaatattt tgtgggacaa 420  
acatatctta tccaagaatn tatttcatgc acc 453

<210> 15070

<211> 452

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15070

tgtagagcat tgatngata ctgcttacct cataatgagg ctcagatgt ttacaatgga 60

atgatcggtt gctaccctgc agtgagacac acacggatac acacacacga cacacgtagg 120  
agactaacgc tcgcggactc agacacatac agcaactcat acacacacac tcacgcagag 180  
tgacgcacac attaagacat agacaaagac tccaacacag tgagcgacag acacactcag 240  
aggtccacac gcaatgacac acacactgag tgacaaacac acagatacgc gtacacactc 300  
acacacatgg acagacacac aactcgcac acgcataaag agacatacac tcacacacac 360  
atagggagac agacacatag acacacgcag atgaagagac aaacacagac tcacgcactc 420  
acacacagag tcacacacac ataatgagac ag 452

<210> 15071  
<211> 466  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15071

tgggttggat gttgaattct ggttgttctt ggtgcggata tgattgtaca gcgggtgaac 60  
caggggctga agtctctttt ggtgaggtag ccatggaaaa gcagagcgtt tggaatgggt 120  
tagcaaattt ctgagagctg ttgggggatg ctgaatacga gattatcacg aatatataag 180  
tttgaatgaa gaatgtaaaa ggccgtgtga agcaacggtc gaatttgctt tggttcagta 240  
gtgaacgtgc tattaatggt aggtgattcg tttgggcacg tcagatatca gtagttgcta 300  
caattcctct agcagacaaa tgcccagctt gccctcagt tattcaaact gttntgcac 360  
caatgccttt gtaaaatata tgctatttgt tcctcagtg tccatgctc cagtgtgata 420  
actctatcat caacaagctc tcttgatata gtgatgtctg atgtca 466

<210> 15072  
<211> 400  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15072

tcttcagtta tgtcaacata gtctcttttc aacatcattt aattgttgta ctgatacatt 60  
ctactaatat atggagttgg tcaactgttt gcctgaggat gacaaatact agaccataac 120  
aatgttagag ccggtaaagg acaatggctt tttaaataag catgttatac atgcacaaac 180



aatcttacgt tattataaca caaatgattg catacattaa aaataggatt atcttgaatc 240  
 tacctgaaca aaatgaatgt catagatgtg accaatgcat antttgcgaa gcacagaaga 300  
 atctgttggt ggttgacttc taagaggaaa gaacgtcatg cttntgttta gagacaacga 360  
 tacaaggatt acattatacc ttgatcaatg acatatctca 400

<210> 15073  
 <211> 469  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15073

aattatgaga cgaattcgag accagcttaa ctttcatggg actcgacaat ttcctctcat 60  
 ataattacga tttttctatc ttatatnta taagtacaca gtttatgttg gagataat 120  
 ctattgtgaa tttattatat caaaagtaca aaaataat 180  
 ttctgtttct tcgactcatg taactaatac acatgacaga aaaacataat cttcaccaag 240  
 accttaatat gttgctatct acaactagat taaagcatga tgacaaagtg ttgctagcat 300  
 attatgtggg tttgaaaatt anaataatga ttgaagtga catataaata ggaagagata 360  
 agaaggttca tgggatccat anaatagcga tcgttttcaa attctctatc tccatgctca 420  
 aaaagcta atggcaactag atgacatttg gcagaacaac gacacatgg 469

<210> 15074  
 <211> 366  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15074

aagtttggtt aanaataagt ttaatgtaac ttgatttata tctggattct gtttacgttc 60  
 aacaggataa caagagagga atgatttttg gataaatttc agtttgattg tataaatcac 120  
 gttcaactca actcaaaaga atagcatgtt aaacaagcgg ngcagttatt atgacgggcg 180  
 gatcttanaa aatgagatat taaaaacaac cattttcacg gaattacttt attgttggtg 240  
 acagattaga cagggataaa actaattatg agataactaat ttgaataatt tctagtagaa 300  
 aatgtcatag actaaaatat taaatacaga taatgataat atacatatgg attntgaaag 360

<210> 15075  
 <211> 483  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15075

tgaggagggt aaatgagaaa agatacattt ataattggtg cctgctatta gtagataatg 60  
 ctaccaaggc ttgtgggttaa actaatataa tcaactgtgtg ctttttcttt tctttaagct 120  
 tctcgtgtgt agttactgca tatttatnt aatttatgag aaatcttcat gttaaaacaa 180  
 gactaactta gttcatgcaa gagaagattt ttcataagagt attcagctcc agaagcagag 240  
 cctacgttnt ttataatatt aattagagaa aaaaaaattg aacttttgaa aagcagtttc 300  
 ttataagaca cttgggtttac ttataataat tatctttcaa agtataagag agaatttggtg 360  
 cagagaaaac catattcagt aatcagtaga aagtataaac tactatcaag aaaaatagtg 420  
 cacattcgga aacacgaagt ataagaaaag ttcanattta gaatcacaca tatccattta 480  
 ttc 483

<210> 15076  
 <211> 512  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15076

tgaaaaattg aaaccctgaa acccgtcgaa natgcgacac tactagatag taagactcan 60  
 cttagttgac actgatccat gataatgaac cgaagtgttt aacattatta ttcaacaatt 120  
 gctactaata ctatctgaag cctccccgtt gatgtcatcc gaatcatgct actaaaacta 180  
 taagaactac caaaactaag gtcaacatgt caatactcta caactaggca aaccaattta 240  
 cttttatttg tacagtgtat taacaatcct gtgagctctc atccaaattt cctgaatgat 300  
 gagtgaacta gctcttgatg ttagtcattt atctacaaca ggtacaacag tgaaaacat 360  
 caatataaga taaacgccat gccaaaaaag ataatgagat tacgacccaa tgttgtacat 420  
 atcttcacaa tcattaagat acaggatcca tatatcatgg atgacacgtc tactaaaca 480

atgatcatca caaacttgat accgctcgac cn

512

<210> 15077  
<211> 443  
<212> DNA  
<213> Glycine max

<400> 15077

ctgctgcgag catctactgc agacctactc aaccttagca gtcgaatctt tcacgacata 60  
tcattgatga cctctccagt aacaggtacc atcccgggtg gacgaatcat accaacctta 120  
tatggtcgca gacttcacat ctatctctac gtctacagca gccttatctt cagaatgctg 180  
gtggcccaat aagaccatac gttccttcac cgactagcat ctacaacatc tcttgagtcc 240  
ataacagcaa cagtgagccc ctgcgacctt ccttgagaac ttggtgcaat gactatgcaa 300  
ctgctgttca cggaaccaat ccttatcaga ctactacta gatggcaatt ggatccagct 360  
aataacactg tccaatctg cagatacttt taactgccga tcctgaatgg ataccatact 420  
ttgtcagaag catgcatgac tct 443

<210> 15078  
<211> 472  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15078

ggcctcanag agatctagga aggacgccgc ggccgcaggg tctagtgtg ctctgagtt 60  
cgatagccat cgtttcagga gcgctgagca ccagcagcgt ttcgaagcca tcaagggatg 120  
gtccttccat cgagagagac gcgccaact catggacgac gactacacgg atttctagga 180  
ggagatagct cgccggcggt ggacgtcgct ggtcactctc atggccaagt ttgatccaga 240  
tatagtcttc gagttttacg ccaatgcttg gcctacagag gatggcgtag gggacctccg 300  
gtcgtgggtg aggggccagt ggattccttt cgatgcagac gccctcagtc agttcctgtg 360  
atatccgcta gtattggagg agggccaaga gtgcgaatac ggtcagagga ggaaccgggc 420  
cgatggattt gatgaggagg ccatcgctca gctgctatgc ataccatgtc aa 472

<210> 15079  
<211> 476

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15079

tgtacgatta taagaaacat cttcttcgac cttggtgatc cttgactcta tctcatcgaa 60  
tcgcatgtcc acttgtaact ccagagcadc aaacctttca ccaacaaagg tttgaagacc 120  
atcgaacctg tccaaaacct tttgaagaag agaggaatct tcttcacat gtaaagtgtcc 180  
ttcttcacat atggggttgag cacccttttt aaccaagag ccatcatgct ctttacggta 240  
accaaaggat gcaatcacag tagcaccgat taagaaggat ctcttgattg aacataagg 300  
ttcataatca agagggatgt tatagtgttt atggaagaga gtgactaggt gtggatatgg 360  
caatggagca tttaatccca atgccttatg catgcgatat tggactaagt gtgcccaatc 420  
aatntgtcgg cctttatgaa aagcccacat tacaataaga tcttcttcag aaacct 476

<210> 15080  
<211> 458  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15080

ctgtanggct aaagtctcac gaatgtcacg tgttgatgca ataattgtta ttcgtggcta 60  
tacaagacat cttgccagac aaagtcaggt tagccataac tcgectgtgc tttgtcttcc 120  
atgccatatg tagcanagtc gttgatccta tcatgtttga tgagctggaa aatgaggctg 180  
caattatact gtgccagttg gagatgtatt ttccccctac cttctttgac atcatgattc 240  
acttgattat gcatctcgtc agagaaatca aatgttatgg tctgtttat ttgcagtgga 300  
tgtccccagt tgagcgatac atgaagattt taaaatgata tgaatatcta tatatccaga 360  
acatctattg ttgagaggac attgcagaag ngccattgaa ttctgtcaga atacatcgag 420  
aagctaaacc tgttggcctt ctaagtctca gcatgatg 458

<210> 15081  
<211> 271  
<212> DNA  
<213> Glycine max

<400> 15081

aacacaactt gagaatagag ctgaccatgc tgctgctgct acagaatatg gaataagtgt 60  
 tgctcagtcc ctgacagaga aactatctac agtttctgga ctagatgctg gtgtatgaag 120  
 tgggtgtgaag tccacagttt ctggaactca tactagtagt atgggtgtgg aacaggacaa 180  
 ggtggtttct gagaatgact atttggtgga catactgacg cgtggcgatg aagacaggtc 240  
 tctctctgag gtgatatcag atactctgca c 271

<210> 15082  
 <211> 484  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15082

atntgctgca tacattcctt ttctggaggg cgaattctct gnctactttt tcaatttata 60  
 cccacnanac atctcaaccg gctcgagcta gaggcggtct tgcacattgg atgcgcggaa 120  
 gacaggcttt gtggtagact tagggatggc ccaactgggat aactgcccgg ggggaaggga 180  
 tactttctca atagtggcgc gcaccctatt ttacgcgaga gccctcatgc tctttaccgt 240  
 gacctgtgga tgctaacaca tgagctccca ctctaaagga tctctcgacc gtcacacaac 300  
 gctcataact cagagacatg tcatactggt cagcgtacac agttactacc cgcggtattc 360  
 gctcaggagc atgcatccca atgactctgc atgccatccg ccttattgcg cccgcacctt 420  
 cctgcttctc tantcgccct ttacataaaa tctctctcta acctgtcaca gcctcaaatt 480  
 tccc 484

<210> 15083  
 <211> 473  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15083

cacanaatct aggtatccaa aaccnctcaa tttaatggat tntcaagggt tgagaagtga 60  
 aattgagaat gngntaaatt tggagcaaac tctcacctca cacaagtcta taacatcaat 120  
 ttaaacttgt tcaaactgga tttacacctt aaattccacc gaaccaaatt ttgactcctc 180  
 aacaccaat tttaccctag aaatggctct ttgttcactt tggtcatttg gttttctctc 240

tagcacagcc caaactttct cataagtcct aaatgacatt tcaagctagg attaactcac 300  
 tttaacctcc aaataccact aaaccagat ttggccttcc aactctcaaa acctcactct 360  
 ttntccactc ataacaccat attctcactn ttaaacttag gttaactcta cccttcatct 420  
 ctaacagttt tccataagca atttcagcac ataaacatca caagcatcat cat 473

<210> 15084  
 <211> 440  
 <212> DNA  
 <213> Glycine max

<400> 15084

acactgagaa tgtttctcac tatattaatg cttatcccta tgactatatt atttattccg 60  
 agaaagaatg gtcaacttgc aaaattccaa agtgagtttg ctactattgc aaaattttgg 120  
 tgaaatattg gctaaatcta ttataaaaac tgtcttaatt cttttatgca gacctgctat 180  
 gtcaaaacac ttgagcattt gtgatcgctg tgttgacga tttgatcatc actgtggatg 240  
 gatggttagt aatctttgaa attcctcctc tttatttggg gtggtctcat ttaatatata 300  
 tcatgtgtgt gtctggagat ctactaaaag ttgctttact cacagaacaa ctgcataagg 360  
 gagaaaaaca cccagtattt catggctttt ctattatggg gagttctata ttcttacatg 420  
 agtatcattt catggaatct 440

<210> 15085  
 <211> 460  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15085

ntcaccagat catataagat aaatgcattc aggcaatctg cagacatatt ctcccatagc 60  
 tcaaattctc cgcttatata ttcaaccttt ccatcactgg cacgtggagt gaatcttctt 120  
 ccatggtgca atattaaagt tatattgtca ttcattctac acaatcagaa accacaaaca 180  
 ttgtcatata ttaggaaata aaaaacctaa ctcanactca aacataggca catcacacaa 240  
 caacatgcaa tgtcatctat aaaaatagag catcatanac gaaaataata aaggaccata 300  
 aacctcccta caaagcacga agacaatgca tatgaaaccc cttgaacata taaaacccca 360

tatgaatcca ccaaaacaat gcatatgata tgaacgcata ataaccacca acctgactgc 420  
 caagcgcgaa cactcacaat caccgacaaa gagaatatag 460

<210> 15086  
 <211> 503  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15086

ntgacaagac agtacacact gctgtcttct tcaacanaat anaatagggt tatctactct 60  
 aaagatacat ctaataatac ccataattat aataattagg attaggtaaa ataaaaataaa 120  
 taacattatt aggtgctctt gaactattat atttcgatta gttttcacgt gatataataat 180  
 taagagttat tgattctttc tttagtaact tacaaaatctt cttctgtaaa aaaataactt 240  
 aaattnttta aatgtgtcat ataaaaagat tgattcatat catgaatacg tgggtggata 300  
 aagatcacct aatagatttt tctattcaag agtagtgaga aaatttaatt taagtgcact 360  
 ataacgtctt agttataagt tntgtactta attatccac canaaatgaa tcttattttc 420  
 caaagtgagt attattcaac atatgattaa gggatatatg gagtgaatat ttataaaaaa 480  
 gtaactttga ctcatgtagt ttg 503

<210> 15087  
 <211> 426  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15087

tgagttcatc ttgtttaact tatctgtaac ctatcgttgt ttgttggtg aaattttcct 60  
 taagcagttt ttaactgtat taatttagta tttaatataa taatttaata atagataata 120  
 atctatagga ctaattatgt ttttggttat tatacttttt tgcaaattaa acgttttagtt 180  
 tccaaaggaa atttataaca tttttgtcc tatatttttc ctctatgaat tatttttagtt 240  
 ttattgtcaa ataaaactta taaattaata acattaaaat tatattaaca atctaagac 300  
 ttatcacgtc ttttaacgagt gtgatgaaac attcacatgt aatttatatt tgagcaaaat 360  
 atattgttaa ttcccaatta atcgatgttt tatttttaag tctctaaaca aaaatttatc 420

taattt

426

<210> 15088  
<211> 426  
<212> DNA  
<213> Glycine max

<400> 15088

cgctgtagtg aaatactggt acattcggaa ggccagaagc gttgtgtagt cctaagtcac 60  
gtgggtagtg ctgcagaata tagagatttg cggacctctt ttatggggtg gtcagtgcaa 120  
ctaatttagc tgctagggtt gccaatgttg ctgctggaag caattttgac gcatgcataa 180  
tggagcgtca ttggtgtttg atattattag gcatgttacc tctcattcta gcaaattgga 240  
gcgtaatgcc tctatttata cttatatagg ggtggggcat tttgggtaac gtattcgact 300  
tatagcagtg ctttataacc ttcttagtcg tggatgtcat attgtgggtc tagtaggtat 360  
acaattttta tttttttatt cacatatctg caaaaaaatc atgcaataac tgaacttagg 420  
tcaaag 426

<210> 15089  
<211> 487  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15089

tgactcatac canacatgac aagtntagca tgctntcatc atattttcttc acaaataact 60  
atcataaggc ataaacctag taaaactacc catcatatct cccaaaaccc aataccacg 120  
aaaatttatg tgagaaaaag tctacccaaa cctgaaatgt gaagtccac aatggagagg 180  
tgcgcttcac gactccgaaa atggcttttt ttgcgaatt ggagcaaaaa tgggtgtacaa 240  
aggttggagc tttgatggag cttcaatggt gaggaagaag aaaggaatag caacatgaga 300  
aagagagggg gaanagcttc tgaatnntat tttttttgtg gctgagttag gagagagaga 360  
acgtggcttg tgtttaaaag gcttcctctt tttttttttt ttaacaaaag atgtgccaca 420  
tgtcttcttt tgagtggagc anaaagggtt catttttttt ttcttgatgt gactcact 480  
cagtcac 487



<210> 15090  
 <211> 498  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15090

nttcactcgg agatctgatt caggcgcata atatatcgag acgcttgata atgaacaacg 60  
 gaagctctcg agaaattcca atggtcatta cctttaactc ggaggctctga tttaggcgca 120  
 taatatatca agacngctcg aaatgaacaa cggaagctct ctagaaattc aaatggtcac 180  
 aacttttcac tccgagggtc gattcaagtg catgatatat ccagacgctc gaaattgaac 240  
 aatagaagct ctcgagaaat tcaaattggcc ataaccttta actcggagggt ccgatttagg 300  
 cgcataatat atcgagacgc tcgatattta acaatggaag ctcttgngca attccaatgg 360  
 tcataactnt taactcggac gtccgattcg agtgcanaat atatcgagac gatcgaaatt 420  
 gaataatgga agctattgag caattcatat gatcataact nttcacttgg aggtccgatn 480  
 gaggcgcata atatatcg 498

<210> 15091  
 <211> 428  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15091

gaggtacaag ccctataggc agagcttgaa agagcccggg tagtcgaaga gaagttcaag 60  
 tccatagcca tcatagtttg aaaagagtat gatgaactaa gggacgtcaa tatggccacc 120  
 gctgaagcct tggaatgaga aaccaagaag gcccgaaagg aagaacacga ccaaaacaag 180  
 ttttgagggg ctttataggg cagcaatagt gagctcaagc tccgaagagg tgaaaggaat 240  
 catcacgggt caaaggcatg atctggaagg acgagctana ggcttgccctt aggtcgaaaa 300  
 gaaatttgtc ccaacagtta aagcgagact gaagggaata tgtgggcat catcgataag 360  
 tgcaaagaga agctaaatct agcggcgact cagcagcaaa ggctagagga tgagtacgcc 420  
 aagatatc 428

<210> 15092  
 <211> 450

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15092

acactatgat actcagcttt agccnatgga cttaccttga' attaattcct ttgatagccc 60  
ttttgagcct tgtttccctt tccttgatct gaagctcact acaagcctta agtgataaac 120  
catgatatta ccatatcctt aaggaattnt ggagctttgg aattgttttg ggaataagtg 180  
tnggggggat ttgggttcatt ggacaacttg ttatgttggc tatgcttcat gatgtatttt 240  
gggccatact tgatgaacat tgtatattgg ttaaagtgtg gacatgctga atgaaatggt 300  
gtttctcata ggctaaagag tacataacaa aaataaaatt cgaataaaga aaaagacaag 360  
cagtaaagtt gagtgactaa gatcttatat ggcacaagaa tgatgaaact cttgggttcta 420  
ctcttcatgc ttaattatta tctttacttc 450

<210> 15093  
<211> 391  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15093

tactcagctt aggttgctca ttgactccag attgctgcat ataaggacaa agatctgaat 60  
ggatgatctat agaagaacat agaccacaga ctcttgcaac aggtgtagat ttctgattca 120  
tggcaagctg agttactagg ttgaccaagg catcaagttt tctttcaagc tttgtattat 180  
cagtagatga agatgaatcc atggccacct catggactcc tctaagaaca ataatatcat 240  
ttcttgcat gaattcgtgg gagttggaag ccatcttctc aatcaaattc ctgcctcag 300  
caggggtcat atcaccaaga gctccaccac tggcagcatc aatcatactc ctctccatgt 360  
tgctaagtcc ctcatagaaa tattgaagaa g 391

<210> 15094  
<211> 895  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15094

cccctccaac cagcgactcc gnnctcntnn ntectctccg tncntcttgc ggacacgatn 60  
 anagncgach tncgaatncn ttgnactggt acaaagngta cgaataaact gatgcacnta 120  
 aactnnntnn ncncaacgaa cggcagtagh agancctgtg gacgnncccc ntttggtan 180  
 ntacngcctn ctatcgacat nncnccanca nncgnnancn ncanannacn cnncgtcacc 240  
 gnccgaccgt ganncacngc angtnaanac gntgcgccac tentacatng ttenctacat 300  
 cgctcgtcta ttatgtcata tgtatagtta tagtgacaac ctctaactca nagcaacgcg 360  
 cgggggacga atactcgcg c gacttgact gatgacgcac agcacatgca atatatctcg 420  
 caacactcct acaacagagt tatgacagca acacgtccac actgatactc agagatgaac 480  
 gcgtgatacc gccgtgagcg actctctcgt canaagacac ataccgccga cactcgtcga 540  
 cgctggctat cgccgctaca gtcgcgccgc caccacaacg acggtacacg acgagaacga 600  
 ccgctcactn agccgtcata ttgaagtcga gactacaagc cgataacacc gagcacgacg 660  
 cgatcggcgg cangactgaa tacaacaatc tctaagtatc atacaanata ttctcaccg 720  
 cagtcagcgc actgcgcgca cacgtgacag atgtcttatg atatcggcgg agcgccactc 780  
 gctctaattg atcgtcgcaa cgcggtcaa gcaagatgca cataccggcg tcgcgcgcat 840  
 cgaggcantc acgataccgc gtcacagact acccgatcac gagcgcagaa atgcg 895

<210> 15095  
 <211> 676  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15095

ctccccgacgt gcctctcnca cntctcnact cttnctacac tntagcacnt actagananc 60  
 aaaantnnnc nnacnnnncc acccccacat gagagagttt gactgccttt gagaggccac 120  
 gtgatacaca acctananac anancanctg acacacatca atacagatca cactctcagt 180  
 cgaccacncg catcttttct tatentatat tagctaattc tagcactgac tatcgctaatt 240  
 attacgcact ggctgcactc aantcagcat acaccacgat ctgaactctc acgatttatt 300  
 acatctgata catcattgca ctcatatcaa cgacnnttgt acattcanag gactacancg 360  
 tctacacggc acctccgaga gctaggtact ctacagcgcg caatatcact atagagcaag 420  
 taatgtcaca cactggagat agtgcggtgcg catcgcatct gcgcgagacg atcgattgat 480

tgaatcggta tatactacga caacatgatc ttagtatgaa gtgaacgcgc gactcctaata 540  
 agaatacatg tgtgtcactg caccgtgacg taaaggaata cgtcgatgaa gatcgtgatg 600  
 tagacaagaa tatacacgat taggacagcg ctgtatacgt cacatagtagc ataaggacgt 660  
 gaatcgtgcc ttctcg 676

<210> 15096  
 <211> 593  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15096

tacacgacta accggaccat cctentatcc accataaagt catttttcag ctagangtat 60  
 tatacacata cacaacncaa gagaggnaan cgtgagcccc tggacgtacc ntcgaananc 120  
 acnngaacc cgggaaacac tagaggaacc tgcaagctgc agcaatcact cgctgtataa 180  
 catttatcaa tacactacac taaaggagaa caagggataa atacatcaga aagatcatac 240  
 acgacttggc cttggaggga tatctatgaa cataacatgg aaggggacat aaaaagcttt 300  
 taagattggc aaaaatgaac acttgggtctc tcaatatact ccaattttga ttcggacgac 360  
 cgaaaacaga ttcgaaataa gagtccatta caagcgaaat agcataagtg gctacactcc 420  
 caatcaacgg tgacggatag tcaaaagatt aggacacgag acatgtcaca tagagagcga 480  
 gaatgtacgc attaagcgta aataagacag ctgacgctat caggacaggc gaatgcacac 540  
 gcataacgaa actgaaaacg aatgcaagac atgaacggca cacgtagcca ccg 593

<210> 15097  
 <211> 73  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15097

ccccccctcc ctcttcaaaa acctataact aaccannccc cagtgttgac tgacctcacc 60  
 ccacaccccc ttt 73

<210> 15098  
 <211> 500

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 15098  
  
 gcagagtacc cgtgaagaca tttgatacac ggtgaaacac ctcgtacccg ggatcctctg 60  
 agtcacctgc agcatgcaaa cagagctcag ttttatagct tctatgttaa ctgttcaaag 120  
 tcgcgaatat aacctcggat ccctgtcgat acaaaactac taagaaatcc atgcaagcat 180  
 attacttctt tgatgttaca ctgcacgagt tctacatgc tactcttcat ttcaccaggg 240  
 aaaatttgag catatttctg actctattac tatacccaca caaatcattt tcacgactta 300  
 tctcggtaac ctgattcaaa tccatgatca ggcttaccat tacattccag aattccaaag 360  
 cttcaattct ctgacgacgc tgtgctaacc ttactcttga atgtctaaat atgctaaata 420  
 taatgccatc ttctactgca tgccacaaaa catgctttca ttttggcatc ttaacatcct 480  
 cggcggaact agacaatttn 500

<210> 15099  
 <211> 363  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 15099  
  
 cccccccact ctctgtcatg ttaggtcact tctataanna ncncccggcg gtgcctgaac 60  
 tgtagcccan acgagnacct tcgtgccagc acgcttttat ttgggatggc cctgctattt 120  
 ttattttggg cacaagcggc ttgcctactc ctcttagaaa aatgacacta ttttctacgg 180  
 atcacaactt tactgaagga attgagcggg ctaaaaacct ttctgaagct gataaattca 240  
 aacatttgga cactgctagc aggtaacctt ttcttactat accttataat aaatcataaa 300  
 actcatgttt tctattctag gattttatatt ataatacctt ttaccacggg cgacacgcgc 360  
 gcg 363

<210> 15100  
 <211> 457  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations

<400> 15100

atcangatat gattaaagac ttcataagtc tttcanaaga atacaaacaa cttcaaggaa 60

aacataaaga aaagatagat gattcctcag aaatttccac cgccaccatt gtgatgacct 120

ttgaatagtc taaatgccta aagacaactt taagcgtgta ccctctgata atcgaaggaa 180

antctcgtaa aagaaagtat cctaattcta attggaaaga cacttcagaa gttgaaaaat 240

caactgagag ggcttacaaa tgagtctact agactcaata aacatcatga ttggcctaata 300

taggaaaggt gtaatctatt ggaagaatgc cacaagttca tagaattatg aaacttcgag 360

gcaagtgaat aactattgan ggatgtgaag attaacaag ccaaaatctc aatgataact 420

tgacatatga ggtctcaaaa gaactcagat cttcact 457

<210> 15101

<211> 174

<212> DNA

<213> Glycine max

<400> 15101

atactgcagt tgtaccactt tcatcatcat agcaatagac cctaccaatc ctatggcctg 60

gtctatgcct accacaccac aagcactatt acctaattat ttaataagtt gctgattcac 120

ttctgctagg ttaagagaaa gcagttaaag ttaaattgtg gtaattgaaa caac 174

<210> 15102

<211> 331

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15102

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tttcaatata acaagatcaa gatccaaaac actgaggtgt aattggactt actcattcca 120

gtcagagaag ttaagcccat taaaattggc acaaatgata cataagaatt cagtgaattg 180

ggaacatgta ttgcataata acattcacat aagtgttttg agacataaaa tacatgtcat 240

acatatgact tattcagata atgatcaatg tatattgatg ctctgctttg ggtgatacag 300

ttgcagaagc aagcttcatg atgaatcaag a 331

<210> 15103  
 <211> 352  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 15103  
  
 caagtgttgt tcgggctgct tctgcaatgt tgccatttgg acttgcttcn nggtntgcat 60  
 gtgaggtcta acatgtcatg tgagggaagc ctgtatattt ggcaactctg tccttttcta 120  
 acagttggag aatgcattga agacaaactt tatgttttgt ctgttaatgc agttgcgtgt 180  
 agtgcacacg tattactctt gcacacgtgt cactcgtgga gtgggcacgt actanatacg 240  
 tgttgcgtgg gatatgaagt tgatcatgtg tctcctcttg ccaatgacca ccgacacctc 300  
 gaatttctat cttctttctc tcgaagtata agatctccct cacctacaca gc 352

<210> 15104  
 <211> 74  
 <212> DNA  
 <213> Glycine max  
  
 <400> 15104  
  
 aaatattaca cgccgcccctc gcactttatc gagtactgtg gtattcatta acaatctagc 60  
 gacatggaaa cccg 74

<210> 15105  
 <211> 610  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 15105  
  
 ctcactcgnt catatcnttn tacatcttnt cncctcgcg gtnntctcnt actctactnn 60  
 nnnnacncnc cncncncccc cncaccatg acgcncttt gancctttgt atacgtgtga 120  
 ttagcacaca tanaatcaca cagcngacgg ctggcagtat gacntataaa gagtaccngg 180  
 aactgttct ccaatatttc tctatataga accacattac acttactgc ccgtctatca 240  
 ccactacgga tttggaaacc cttgcgttcc catctaatac ccttgagata gttcactatc 300  
 gttagtgtag taatcctaata atgccgccac gttcccctac cacatcttga cagcctgata 360  
 gcgaatgacg cctctctgaa ttatctactt cgccttgagc ggtttccac cgctgatgcg 420

gacattcagt cgatctgctc tgtagcgcat aatataacat acccgaactc acctactccg 480  
 ctgatgcaac ttcttgcgctc gatggaaatg aaatctatat tgatacaaac taattgttaa 540  
 aagtaccgtg tactaactga ttaatttacc gcataaatat aattgtactt gcttagtata 600  
 cagtatccccg 610

<210> 15106  
 <211> 338  
 <212> DNA  
 <213> Glycine max

<400> 15106

actcgccccg tccttaagca ctgagctgca ctttttttct atagcaatga ttgggcatca 60  
 tgccctcttat gacttacatc atttagccta ctgtgaagtg aacctctctc ttaattctgt 120  
 cataaggtat gcttaagctc cacctgcagc tcatatcttt ctcttacttg gccttctaaa 180  
 aatggaaaag ctgtcaaatt gggggaggca cgaacaattt taatcctcca tatcattagc 240  
 ttctcaaagt gattgaccta ttcaatctca ataaagtcaa tccaatccaa tgccgacacc 300  
 tacattgctt gatgtaaagc caaatgtaga agtgtccc 338

<210> 15107  
 <211> 588  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15107

aacagcgctt atctcctccn tctctcaaan taataaataa ttttttttgg ntgccccnnn 60  
 nnnnnnnnnn cnnccccagc gacgngttgg gcccttgaac ccctagacac anccaccnca 120  
 caancnanna anacacncac cngcgcacca gagttaaaaa cgagaccttt accattttgt 180  
 tcttcgtcac acacccccaa agacaacgcc aaggatacca ctatcagtct tactaaciaa 240  
 ctcttgcatc gtatgtcgcc catctcaagc agagcgacta gcttgggttg ccctcctctg 300  
 tgtgcaaata taccacacac tggcaacagg cataaagttc tctatatagg cgcacatctc 360  
 actgcgtaac acaactgact gaattcggaa cagacataa ttaatacaac gccggtgcta 420  
 ctgaggtact atctacagac gttcaagaca gagatcgtgt cttctaactt tatcgcgcac 480



gattaacaaa cgcccatgcg gcgtagaagc gaccaagtac cttcatttac ctcagaacgg 540  
aacacatagg ataagagcgc acttctcgag atatagatga tctccccg 588

<210>	15108
<211>	438
<212>	DNA
<213>	Glycine max

tctataagat	ggtatctcat	tcatatagcg	gtgtgagaca	ctagcgtcta	cttctcatcg	60
aagcttctaa	aacaaatcgt	ctcgacgcag	tttttcaagg	gatcttgtca	tagaaatatc	120
taaatagaagc	tatcctggcg	acacatttaa	gcatgtggaa	cacttgttgt	aactctaatt	180
aatgagaggc	gtgagagact	ctcttttagag	atcacctact	ctcccgcttt	cactacatca	240
attcctagac	gacccctcta	gctcttactc	tgtgtctgta	cttacctaca	taagagagtc	300
ctcgctcatc	tacatatcac	ggcactccct	tagtgggagaa	gctccttctt	aattgtctct	360
ccgctaacgg	attgccctta	cttcacgggt	tgtttctatc	tcccgcgtgga	ttccatggag	420
gaaaataaact	ctgacgac					438

ctctcttgct	ctacggaaca	tgagtaatac	acaacaacc	aaatatctta	tgaaatntca	60
gagatgggtt	gtaaccatac	taaacctcaa	acgggtgttg	atccttcaat	gctctgggtg	120
gaagtctatt	ctgataaata	acaacagtac	ttgctgcctc	tgcccataat	ttctatggca	180
attctttctc	tcaacatgca	tcttgcatct	ccaaatatat	ctattatcct	ctactaacc	240
atgttgtgtg	gggataaaac	tgtaagttat	gttcatgcct	atcctacaaa	ttgataatta	300
tcaatgtgtc	tcgggccttg	caacctaagt	tgatctgaac	cgttcatctc		350

<400> 15110

agcttctca gagccttatt ctatgatgac aaacatttgg aaagttagtc tacacgataa 60

tgcttacttt atcacaaaaa tgatatgcta atctttacga tataaaacga actcatgcac 120

acattaatgt agtacattta tgaacatgcg catgtgtaaa atatcctact atatatgtca 180

acatacgagg acattcatca cattctagtt accacacata tatacatctg tgaaaagaat 240

acacatttcc atgctcaatg cattgagcaa aaattacacc tattcacata ctatatatat 300

tgctatcaca aactacctac acatatgtga agatgtatca taaaatttct gtatgtactc 360

catatattat atcacactga aagtaatacg tatg 394

<210> 15111

<211> 259

<212> DNA

<213> Glycine max

<400> 15111

agcttaattg ataaatgtca tactgctgat cattcctttt gtgtttcatc acacgcaatt 60

tgatcaattt atactgtgta ataattttgg cactggtatc gatacatcct ctgtaatcga 120

taccagagaa taatctcttg acaagacttt taatttaagt tcttggcaaa ccttttgttc 180

atcattagaa ttctttctat tatatccctt ctaaactcta aacatctgat atcatctgat 240

tcttaattct tgctgataa 259

<210> 15112

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15112

agcttctaca ttcaatttcg agctttttcga tatattacgg gactcaatcg gacatccgag 60

taaaaagtta ttgtagtttg aatntgctca aggcttcagt attccatttc gagcgtctcg 120

atatattacg ggactcaatc ggacatccga gtaaaaagtt attgttgttt gaatntgctc 180

agagcttctg tattccattt cgagcatctc gatatattac gggactcaat cagacatccg 240

agtacaaagt tattgtagtt tgaatttgct caaggcttcg gtattccatt tcgagcgtct 300

cgatgaatta cgggactcaa tcagacatcc gagtcaaaag ttattgggtcg ttgaatttgc 360  
tcagagcttc tacattcaat ctcgagcttg tcgatatatt acgggactca atcagac 417

<210> 15113  
<211> 305  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15113

actcggatgt catattgagt tccgtaatat atcgaaaagc tcgaaattga atgttgaagc 60  
tctaagcaaa ttcaaacgac aaaanacttt tactcggatg tctgattgag tcccgtaata 120  
tatcgaaaag ctcgaatgtg aatgtagaag ctctgagcat attcaaacga caataactnt 180  
ttactcggat gtctgattga gtcccgtaat atatcgagat gctcgaaatg gaataccgaa 240  
gctctgacaa atncaaacaa taataacttt ttactcggat gtccgattga gtcccgtaat 300  
atatc 305

<210> 15114  
<211> 308  
<212> DNA  
<213> Glycine max

<400> 15114  
agctttaata agttattcca aaacaaaatc aaccaagtcc tcaaccaatc catatcttta 60  
aaccaagatc tcattttattc aacttcattc tcttcttctt cttcttcttt ttttatttga 120  
acgtgaacaa tagcaattga aagcatttga aaaataaagc aacaattagg caatatatgt 180  
atatacatca agcatggcca acaacaacat atcatccaat gaaacatacc ccccttcaca 240  
cttattccca aaacaattcc aaagcttcca aattccttaa aggtagggtg aaatcatggt 300  
ttttcacc 308

<210> 15115  
<211> 213  
<212> DNA  
<213> Glycine max

<400> 15115  
acaggctcaa tttccatagc tttatgtgat tatagataat ctggccctat ggctcttttag 60

acaactatatt gtgaccgatg ccgagaggag ccttctataa tatctactca caggtatata 120  
 cataactcccc tgaatcacct ctcttttgtg tagcctaaaa atgacatgat gttaactggg 180  
 agacctccca tttgatttca cctatcacct tca 213

<210> 15116  
 <211> 407  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15116

agggtggtctt gaaaccctga tacctttgac accccaanct aaaaactaca accacttaat 60  
 acgaaatattt taggcttaac acgtatacca cggacatccg gactgggggtt gcttgtgcac 120  
 aacacacccc tgtaccccca atcgatatac tcagccctc ctcggtacca gctgacaccc 180  
 ctcttgccac tgtctctttg gcatctccgg tctacaagga tacacgagcc gagcctactg 240  
 cttggaaaaa ctctgccaac gtacgaatta gccacaaacc ctagtacttc caccagctgc 300  
 actaacctcg ctacatccga gacgtctaac acatgttcga cgactactcg tcatgctcta 360  
 ggaagtatta cttaccttgt tgctacactg gacgcctggt ccacatc 407

<210> 15117  
 <211> 702  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15117

cgcagctcag tacennctcc atcgantttg cttctctcgt gagcgtaata antaagccga 60  
 gacctctcnc gagcgttcac nttnnnnnenn ccccnnnna cgagacggag attgatngcc 120  
 ttngganctt gacnacntt tggannacn nanacacnan gccatantaa tgggcatana 180  
 gatangcgaa accagnctc gcgaaactta ttctcaacta ttctattctt canatacaca 240  
 cacgcgtcc atacgaagaa agcacgagta tataatgtgc antaagcaa taccatttng 300  
 tctgcgtacg tgcaaattac atattatacc atcgtggcat acatactcat cacgagaatc 360  
 acaacgtagc acaacactca aactcatat cgatactata cgagcatgaa acactctggc 420  
 gngatgggaa catgtgagtc acctgacatc cacaacatgc actctcacac aaaatcgtga 480

tgcacatgca acgcaatatc ttaacgatgc gtatatgtga atatgantgt agcgtgtctc 540  
 gaggtatcga ggaatcctac tagcgcaaca agcgcgtact ccgatagaag tgactgccct 600  
 gtgtctatgc gcgaagaccg tacgtaagca tgacacatca tacgacacat atcggagtaa 660  
 atcaacgatc gcagtcgaca gttgttaactc cacaatatgc cg 702

<210> 15118  
 <211> 452  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15118

tgcaagcctg ttgaaaatgt cttgttggat gagttaaaca taccattct ggtntanggg 60  
 ttttgtgata atggntgtga tgtttatatg ctgaaaattg cccatggaaa actgtagag 120  
 atgaaatgta gaagtaacct anggttggaa agtgagaatg tgggtgttatg agtggaaaaa 180  
 gaatgacgct ttgagaggtg gaaagcttaa tctgaattct gtggtaaatg ganggtaaag 240  
 tgagttaata ctagctttga atgtcattta ngacttggga gaaagcttgg actgtgctag 300  
 agagaagaca aatgatcaaa gtgaacaaag aggcatctct atggcatatg ggtgttgaga 360  
 gtanattttg atccgtggga tttangtgta atttcatttg agcaattata ttgatgtttg 420  
 gacttgtgta ggtgagagtt tgttacaatt an 452

<210> 15119  
 <211> 544  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15119

gaggccattg acgcttgtaa cttgatacca tatactacgc ttgaatatac aatacacttt 60  
 gtgccaccca tgaagtcctt ctttaattatc atgctatcat ggaacttctt antctnttct 120  
 ttgtagaact tggcattctc atacgctttc aggcggatct catctaactc actcatttgc 180  
 aactttcttt cctcaccagc gtgatccata gagaagttgc aggtctttac tgcccaatat 240  
 gctttgtgct caatctcaac tggaagatga catgcctttc caaagacaac ctgataatga 300  
 gacattccca tgggtgcttt gtatgcaatc ctatgtgcc aaagagcatc atcgagccct 360

gtactcaatc tttcttgctt ggctgcacaa tcttctctaa aattctcttg atctccctct 420  
 taaaaatnta tgctgtcca ttggtctngg ggtgggatgg tgtggatacc ctgtgacaac 480  
 ctcgtacttt taagcaatga tgcattgatn tgtgcaaaat gggttcttga tacgtacgat 540  
 gctn 544

<210> 15120  
 <211> 301  
 <212> DNA  
 <213> Glycine max  
 <400> 15120

aatgatagat ctcatccagc gcaagttggt gcaaccacac tacgcacact gctatataaa 60  
 catgaaagct gcacgagttt tctaccaagt tctgggattga agaataatctt gtgagtcctt 120  
 gaacttgagt gttttgtgag ccaccttgat gtcaccctaa catcaagtgt tggacctgag 180  
 tgtgtagagc tgatctctat tgttcagaga gcaatctctg gtgtgtcttt gatttatttg 240  
 tatacaccgg agagtgattg agagggagtg agatggcgct tcatatctaa gaggggctct 300  
 t 301

<210> 15121  
 <211> 306  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15121

actcgcatgt ctggttgagt cccgtattat atcgagacgc tcgaaattga atgttgaagc 60  
 tntgagcaaa ttcaaacgac aataaccttt tactcggatg tctgattgag tcccgtata 120  
 tatcgagacg ctcgatattg aatgttgaag ctgagagcaa attcanacga caataacttc 180  
 ttactcggat gtgtgattga gaccgcgcat atatcgagac gctcgaaatt gaatggtgaa 240  
 gctctgagca gattcatacg acgataactt tctactctga tgtctgattg agtgccgcaa 300  
 tatatc 306

<210> 15122  
 <211> 455  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15122

accgctccg cccacatcac cccacaatcc taaatctaag gccatctgcc cccacccaa 60  
gcgggagtga ccgtgacact gtgaaccgcg gaccggagcc cgagaaccga agcagcgcnc 120  
gatcattgt tacaatctac aattgacgca agtaatcggg acacgcaaac ctgatgggct 180  
aggccaaagc atcgagacta gcatggaagc ctcagaatac gggactgggc tagctaaacc 240  
caacacgaga ggaaaacaac tgctgagatg caatccgggc aaaggccgcg gagaaacaag 300  
gacgaaggcc gcgccacag ggaactcgaa aacggcccg gacagagagc ggtgaaaatc 360  
aagatgtgta caggcaggaa ggacctcacc ccccgaccac tggaacagca aaggaacccc 420  
cacacaaaa agtccccggg taaccataa ggccg 455

<210> 15123

<211> 604

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15123

ccccatctc tctcaccacn ttntattagt aanaatagna tattcgcta ctaaaannnn 60  
annnaannnn cncgatgaa gatgatccat tgaaacgcta cacaacatac naagcangca 120  
tacgcaatga gttggctcgt atataagtct atcagtgtac tctttattta ccancaccta 180  
ttcagtaact agtagagtga tcatcatggc tgtgtactat ctacacaaga gtctcgatgc 240  
aagccctgat agtaagcnga tatatcgca ctaacatatt cgattgaatg gttctacata 300  
tataacatct ttgcgtcaac attatggtac tttcggaaga tntgtagata ttctcatgtg 360  
tactccatct ttcttagcag aacatccatt aatcgaacaa tgtgaccac ttcagttcaa 420  
gctaacagat aagatagtga acatctactg tctcataatc gaggatatca ctcagcagat 480  
acatccctaa cgatgcactt accacgtaac gcatgagata cctatatagg atntgctctg 540  
atgccatccc agcggccgga gttagccacc gagacttate catattgtcg cagccgcaa 600  
ctcn 604

<210> 15124

<211> 446  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15124

agctngaacc accatcatgg aatcacactc caaccataat ttcttccact tcttttgctc 60  
 agccatttca atgactacac taactcccat gagtttagca aattttatat cccaacataa 120  
 gcaataaagt agcctagaaa atttgcatgt tgatttctaa aaattccttc acaaccagga 180  
 gaaccaggac tttgtcttta gcataaccat ttttggtaca ttaatttgat ccacccatgt 240  
 ataggagggt acgagttcac ctaattaatg gttatacttt ttcttgatg tncctcaatc 300  
 cccatagccc tacacatgat gaattcatat tattttatga atcanattaa tccaattaat 360  
 caatttgatt tgttttctaa actatcatat atataggaga aattaaatat atcagataac 420  
 tttgattaca gtacatcatt tataac 446

<210> 15125  
 <211> 605  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15125

gatgccctta aaagatgtct ctttttttag ttttagnttt agaggcgagg gagaagggcg 60  
 ggagcgagggt ttnccatca ttacgcgcac ttagatactc agcttcgagg tgtctcgttc 120  
 tattgaagac natgggctaa nnnnnnnntt gtaatatata gaccacangt caactctcnt 180  
 tgctgaccca taaaagtcaa cttccttgca cncacgcca agttggtcaa ttttcaagta 240  
 ctgaggatga gacattggca tgcattgatg gtattataat attcatagat tntcccatca 300  
 agtgcaagnn ttcatatcta taagagtaga gnntatttgg ctaacttact aatnngnntn 360  
 ctctactgtt cttaatgcaa gtttgattca ctgtgtaatg aaagttcaat ttcacttact 420  
 tattttcatg aatctatcaa tgtggnactt tctgtcgng tcgtgccaat angatggcta 480  
 accaaactta tgaatgtggt ngttagttag tgtngncatg tatatacaac gtctacgtgc 540  
 attcttgcaa tatggacgta gagcagtgtg aaacgnnttc agngatanan ccacgttact 600  
 tttgt 605



<210> 15126  
 <211> 457  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 15126  
  
 gtgaccattg anaccttgan tccttgaata cacggaacca ggtgctccga gtacctaagc 60  
 caccgcttgt tcattctccc tctttctcga atgggtcaag cggctcatcg gaccagataa 120  
 acatctcgct cccggggagt gcgagctatc ttcagattgg ctgtagcat cacaaccat 180  
 gggatatttt ggtgttgagc agatctcgaa tgcgtgggtt gctttctctt ttgccccag 240  
 cggccactgg gccgctcgtc ttaataacctg tccgcaaag gtgacctcta tcgcacaccg 300  
 gtgtggcgat tattggttgc tccccgggta aaccccaaag ttttattggc cccaataaat 360  
 tcgcgaaata ttggcacact taatcctgtg cgaatgattt cctccccacc cccaataatc 420  
 catcgatac taaactgcaa ccggtggccc aaatacg 457

<210> 15127  
 <211> 430  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 15127  
  
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 ggttgtggag gtttgaaaaa aatgaatttt cataaaaaat atcattttcc ccatttctta 180  
 taaataatga aaaaataatt aatgatttag agagggtccat caagtctcaa ctctaaacac 240  
 atagtacaaa atgttgttct aacaaaaaga atatcaatac aaaccggaaa atcaaccct 300  
 tcnaagcact gaatttgctc tacttgcaact cctctactt gcttgattaa atttaaatac 360  
 tttctcggga agacaaatgc aatatgaaaa ggctataaat atatacatat tacttcatat 420  
 cttcacgtca 430

<210> 15128  
 <211> 416  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15128

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taggtgagga accatgttcc tctcatgaga tgacgcccga gaaatgatgt ttatgacctt 120  
gccttacttc actaagctgg caccactaaa acatatgggt ttgttcgtta tacaggcggt 180  
gagaaaaatc ccatcgtttc agaacctcag gattagatgt caaatccttt tcaaggagga 240  
tggaatgatg cattcctacc cgcgaaggca ttggataaat actccaagta atgggcagaa 300  
tgcagaaagc cctaggttta tgaccttagg aattcggcca tggctaagtc gacccttat 360  
cttgaatat taataagggt catttttggg cttgtttaag gtccttatga agtggg 416

<210> 15129

<211> 491

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15129

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atctacaact ttaattatga atcattagaa ggacccttac actcatcccg ctaatctaag 180  
gtattgagtg ttgacaagct tataagtata tgatggctaa agtcttgtag tgcgcaagtt 240  
cgtcaagtaa ttcactatc attgtagtct aagcaccagt cttagccttg tattgatact 300  
tgataatgct ttgctcgtaa ctgtagcaact ccacttaaga acttccacgt gaacttactc 360  
attgtggagc aaatcttaca gcaattctcg agtagatttc aactaacatc tcttgctggt 420  
aaagcatgac tatccacaac cacacagact tagtggcttg tctctacacg ctttgaaaca 480  
tctatactac t 491

<210> 15130

<211> 363

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15130

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 tgatgtgtgt gttgggaaat aaatttaatt gaattggtag aacccccaat ccaattaaat 180  
 tttagagggg gaggtgaaca ttntcttact acaccccatt gccacatcat atagtcacac 240  
 tttgtgcatg tccttcatgc tttacatgtc tcatgacacc taagcacaat tagtggagaa 300  
 tcttggaatt gatcttggat tagtgggctg aaccataact ganattcact aatcataatt 360  
 agt 363

<210> 15131  
 <211> 363  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15131

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 aagaatataa aacaagttta cttttaacaa acctatntca tataaagcac tgcagatgtc 120  
 aataacagag aaacaaatta ccttttatat atctcagtat cagttgtgct ggtagtgcac 180  
 aagacaacag ctgttatatt gtctttctgc ttctcaagaa accgccgcac agttcctgaa 240  
 taanatgacc ttagaagaat atatagaaca aatggacaat acanagtgtg gaaacctaatt 300  
 aataatatat tatccatcag acatcagaaa acagttaaca acatagacaa tcactatgtc 360  
 tat 363

<210> 15132  
 <211> 360  
 <212> DNA  
 <213> Glycine max

<400> 15132

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 aaatcgtggg aagtatgggt taggctataa gccactcag gcggatatga agagaagcat 180  
 cgcggaagg aagagcgggt gtcaaagctc gcgttgagaa caagaaagtg aatgaagccc 240

gccctgccac ataagtagaa gctttataag agcgggtctg ggagacaaag gtcaagtgg 300  
cgcaatatgc gaagatgatg ttccgagtac attgggattg gtacgaccat gcccttctga 360

<210> 15133  
<211> 283  
<212> DNA  
<213> Glycine max

<400> 15133  
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aacacccaat acccacgaaa ttatgtgaga aagaagtcta cccaaacctg aaatttgaag 120  
tcccacaacg tagaggtgcy cttcacgact ccgaaaatgg cttcctttcg cgatttggag 180  
caaaaatggt gtgcaaaggt tgaagctttg acggagcttc aatggtgagg aagatgaaga 240  
gaatatcaac gagagagagg gggagaatag cttctgaact ttt 283

<210> 15134  
<211> 444  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15134  
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gtggatggcg cctcctctca cctcttctcc tttgtcttcc gctgcatctc catggtggaa 120  
aatcaccatt taagaacctc attgaagctc anagatccag cctccataga agccccataa 180  
gcaagcttcc atcaacatct cttctggatc agttcaagtg gagggtagat ccacttggtt 240  
gttcaaagag aacaagggag ggtacatctc ttatgaatct ttgcttgtaa aggtttttac 300  
aacgttgaaa agaaatctca aggaccgcaa gtcgcttggg gactggatct aagcacgggt 360  
tggtgccgaa ccagtataaaa actcttgtgt ntgtcttctt cttccctaca ctctntaatt 420  
tccgctgtgc actntaatta tcgc 444

<210> 15135  
<211> 257  
<212> DNA  
<213> Glycine max

<400> 15135



atcaaacatc tttaatctca ca

382

<210> 15138  
<211> 341  
<212> DNA  
<213> Glycine max

<400> 15138

ttcggcgatt cagctcgtcc cgggatctct aagtcacctg cagcatcaag cttatcctaa 60  
cgtgtaatac aacaccgtcg atgaatattt gaatcagttt gtctgatttc tgaggaactg 120  
gtgcaatgca attattgttg atctggtaag tgcgcaataa aaccgtagg cttgtatact 180  
ttatgcaaaa ttgcttgctt ttgtcctacc cttcggaac catccacatt gatgtgatct 240  
tcttttcacc tacaagaatg agtaataata ctctaactcg cagtccgaag cactgggttac 300  
aaatatttac attattcttg aatacatgtc actgggcatt t 341

<210> 15139  
<211> 101  
<212> DNA  
<213> Glycine max

<400> 15139

acaactatat acgcaattac atgtacatac tgatatatgt catctactga tactagcaat 60  
cacactcttg cctatcaatc tcttcttctc ctcatacaca t 101

<210> 15140  
<211> 337  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15140

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gatatcttca tgtaaagtgt ttgggtagga agaatttatt gtatggggttg agaccatgta 120  
atttcagtca atctctacat gacacattat taactctttc tcctaaattg aaaaatgtag 180  
ttaagtgtca cgtggagatt gactgaaatc acatagtccc ggatcatata ataatttatc 240  
ccangcaagt ngtcttcaaa ggccaatgga cacaaaccgt cttagaagaa catctgggta 300

tgtcacacaa gatcaacaag actattccca tcactta

337

<210> 15141  
<211> 60  
<212> DNA  
<213> Glycine max

<400> 15141

gatattacgt atcttaccgc tcacatgatc tgtataactca cattgagtc tctgagggcg 60

<210> 15142  
<211> 209  
<212> DNA  
<213> Glycine max

<400> 15142

gaacttcctg cttttattcg ttgaccacag agtgggtacct ggagatatgt cgcggaggtc 60

aagagacctt ggggacgtca ggtgggggtgc tattgcccaa aaccaagctt gaccaatccc 120

gacccaacct gggcatagtc ggtcagtgag aacctgtgat gtacctaaac aggcgagctc 180

ctggcagtc acagataaaa ggaacaaag 209

<210> 15143  
<211> 299  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 15143

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tagaggcaat ccactctgact tacaaacctt tgatcctgag atagatagga catttcatag 120

attatntagg catcattnta taccttttga tcactcctgag cattccatta ctgggtgaatc 180

tgtgcattct gttattggtg attttgaaca tcttgattnt gagcattata attttgagca 240

ttctgattct aaatattctg atgttgaaca ttctaagaac atggcacaac ctccaccct 299

<210> 15144  
<211> 550  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 15144

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cccannanca gacggccaac tgaaccttgg aaccttaaaa ccgacganna cacgaacncc 120  
ggaagcggaa aggccaacgc accaccgttt atatatcgcc agcgcacccc tacaggaacg 180  
acggcacaat accgaacccc gagatcgaca cgtggggcgca gcagcgggag aacgacacag 240  
aacggcgaac gcgaagggaa gagcgacgca taaagaaaag caaggggtac gagagcgga 300  
cgcgcgacgc acagcacgga agtgccacac acaccggcag gcgaagaggc acgacgcgag 360  
cacgagcgag aggcacgaag cggcgctcgca cgccaaagag gaggcgacgg cgagccggac 420  
gcgacgaggt acaggaacac gcaaaagagg acacgcgggc agggaacgac gcgcgcgcaa 480  
cgtgaaacac acacagaggg aagaggcacg gggacgtgaa cagaacacgg aaaagcggac 540  
gacacgaacg 550

<210> 15145

<211> 780

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15145

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atnntgctgc gttttaccaa nacnccnnnn naaagaggcg gcgcgatttg anncccttgt 120  
angncaactn gnacnnancn gncacnacnn aannacnnac ncnacaacac gaaccccnca 180  
acgcncnnga ccaccacacc accncacttt attgattttt atctatagtc angcacctna 240  
taggaagcag atgcgggaga ctgtgttata gcaagactga cacctggaca acatagtacg 300  
tgtaatgtga ctctacacaa gtgactaccc tgttgatcg tcaagtagac agtacgcgta 360  
tgacacantg cagcactata tcagagagac tagcatacgt cgatgcttgt gcattatcta 420  
cgtagcatac atatatgtgc agcagtggaa gcnagcactt gtggcaatac tatactcggc 480  
gatgcgtgat caatcgatag aatgtcgac atgacgggag acacggacag ngacgtccta 540  
tctcgtggat aatacngtg atatgagtac cctatggact gctncttcta tgataccgct 600  
ctatgacgta tcgattatca ctagactgag atatgatacc acatcaggca catcgatttc 660  
tattacgggt ggactctgac gtacgttctc gtgcgtgagc gcaagtgtag cgtcgatgat 720



gcgtagcctg anataganan ctgcgactat aatcggagtc ggtacatatg tacgacagcg 780

<210> 15146  
<211> 414  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15146

agcttgtgga ctataccttc gaccgaacac ggtcgtgttt ctgtctaagc ccggattcaa 60  
gcgggctgta acaccggctc cgctatccta acttgactgg aggcgggtgc ggtggcttta 120  
tcctctatgg ttatctgaag ttntaacatg acctccgaga tggaaaccat ntgatctttt 180  
aaggccgata gatcggcctt catccgttcc tgcacgcctt cttcattatc cattattctg 240  
gatcgagtgt tataaggggtg ccttggtgtt ttcttatgta tgatgaaatt cctaaagaca 300  
taaacaatgg tgagtatgcc acctcaacat gagtatgcaa atggatgatc agagcactcg 360  
gatccacccc aagatttttag atacgtaatg agtccaaact tctcatttat aaaa 414

<210> 15147  
<211> 295  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15147

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canagcatat ttaccccata tttgnngggag tggaactgat tggcatgcaa agaataaggt 120  
aaagcatcaa cacacacaac aaataagttg tatgtttaan aaaaagagca atcaaagaat 180  
atatgtgttg ttgtaataag gtcaaaagca aatgatagtg aataactagt gagcaagcta 240  
attgtattaa aaagatcact tggataagtc tagaatttgt gctctcttag aatct 295

<210> 15148  
<211> 363  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15148

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 cagcgtcaac aaaatacttt cgacacctac tgtacgttgc ttgaccaag gctattatgg 120  
 gaatgttgcg acaatccttc aaaaccttat tgatacatc tgaaaagttg gttgtcatgt 180  
 ggccttatcg acgtccttct ctatcataaa ccatcgcca ttttccctt gaaatgcgat 240  
 caatccatgt tgctatggct ggacttagtn tacgaaattt ttctaaattt tgatcaaaaa 300  
 tgtgcttgca aggagtgtan gctgcataaa attatttatc aataacaatt ttaagtatat 360  
 atg 363

<210> 15149  
 <211> 450  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15149

gcacctccct aatggcatta ctnttaaata taacaacaag gaactatttg caacacttat 60  
 gcaaagataa ggactattnt ttacatttca naaggatatg gactaatttg caaaatgggt 120  
 acaagacagg gacaaaaatt cctattcact cgataattaa gtcataaaaag tttaaagtat 180  
 agggatatttt cgtaaagac tatataacta tcttacacat agaattntag ttttaattagt 240  
 tgggtgactaa ttaaagtatc taattatatg atgtagaata attachnatac agtggagtat 300  
 aacaccttaa naaaaattac agctcanact gacaaaggan natttgtgtt gtgtcatcng 360  
 tgcattgata catnntaatt cagtagctat atatnttat tcataacant tagcgggtata 420  
 tatatatata tatatatata tatatatata 450

<210> 15150  
 <211> 411  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15150

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 ctttccactt ttcaactagt tnttttagcta gttttatcga atatagtcac aacaaaatta 120  
 atctaaatag ggaagagaca aaagaatcaa agaagatatc aataaattta aatgaagaga 180

taaggaaaga agaatagaag tcttaggggg tgtntgtgtt catggaatct tgatgaaata 240  
 ttcctaagaa tatgaagatg agaatatata ttctcatatn tgtttcaagg ttttttacia 300  
 aataatctcg agtactattg aatattgcga atgttataat ttctttcttt accatgcttt 360  
 cttgcatcta tattctcatg agaaaggtgt gggaaaatga tattcccatg a 411

<210> 15151  
 <211> 441  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15151

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 ctcgtcaccg acgaagcttc cgacgagatg ctccgccgtg tccggcgttg acaacgccga 120  
 acccattgac ttgttctgat tgaagaanaa aatggttntt nttttggcgg agttcaagat 180  
 aacggcattg cgcggaatca cgggtgagatg cgaaaaggtt ttgaggtggg ttttgaaaat 240  
 gaggagagtt ggtgcagcac agacacaaga agaggaggaa gaagcaagat atggcttcaa 300  
 aaccaaggct tttgtttcct tcccaaacia actacttggt tgttcaatga ctntntagtt 360  
 ntggatacaa tgcagtcaaa tattattatg tcaagcagaa ctggcaactc tcatatatat 420  
 atatgtatat atatatatat a 441

<210> 15152  
 <211> 480  
 <212> DNA  
 <213> Glycine max

<400> 15152

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 cgagactgcg acggtgctaa tctaacttac acggccacac aacaagaaga aataccgcat 120  
 cgctcagttg ccaccttaca acgtcgtcac ctacgtccac aatccccctta ttcttattca 180  
 tgctaaacac cgggtactca ctcaacacgc tcgatgctcc cacaacacgc aatcgatcga 240  
 gcattcgtac ctctacact atccacacgc ggaaatacag ggtaatgcat aatactacgc 300  
 gcataactca tacccttacc gcagccttcc ttactcatat agcccagata cagtctgcct 360  
 cgggtccaata taatacaccg taggatcgac cccaagaatt taactcgcaa ggtgcatagc 420

acctattact taccttctga ccgacgagag caggactaga actgtcacia gcccaagacg 480

<210> 15153  
<211> 447  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15153

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agaccaaccc acttgcttat ctaatcccc agaggaaacc gggcaatcaa taaaaaactc 180  
aaactgaccc ttgagctcag agcaagacia cggactatgt gaacagataa aacccccggc 240  
gcaaccacac aaaaaaatga caccacagca caagacacca gcggagacac ccacaaaaag 300  
gcacccccca caaacaccg cccctccaaa gtccggcacc aacaaaggcc cacaggagcc 360  
gacgcgtgac caaaacacag cccgagtcac cgacctcaaa agagaggagg aagacacaaa 420  
tcgaggacac aaagagcact caaacccg 447

<210> 15154  
<211> 127  
<212> DNA  
<213> Glycine max

<400> 15154

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tattaatggg gctgcgaatt ataatggacg atgtaggatt ggccaatagc gatacgctat 120  
aaatatg 127

<210> 15155  
<211> 441  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15155

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cccgtgcacc ggagaggatt aaccnanntt gaggcactcc acttagaaac atccggcaga 120

gaggggaagag aacccactgg cctgctcac ctaagatcgt cccgatgact atcaaccgac 180  
 atatccgcat acccggtca ccacaccgta aaaatctgtt ctttgcgga atagggaga 240  
 ttgggcgctg aaagaggtaa gacagtcacg gcttggcata cccatttcgg attggggatt 300  
 atgttcgtgc cacatcgta tctccaagt canagaccga acttgatatg tacaagggaa 360  
 acatgtcgaa ggggcatttn gatgattgag aagatggggc gtatctggga caaaattgtg 420  
 tcattcttca gacagttgcc g 441

<210> 15156  
 <211> 447  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15156

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 ataaagagca aaggaaagtc tcatggcatt gtagagtac caagctgatg ccctatgatc 120  
 aaaacacaag gcagtgaaca tgcattgaaa gctttccaag aaacacatta agtcngtgct 180  
 caagtaaaga atnggaaact tcttgcttat gtctgttnga aacgagaaaa caagtatatg 240  
 ataatatagt gattctataa gttcttatat aaagagaaca agtggntaag ataacttata 300  
 acgatgcttt acttgaatat gaaccatcct acctaaataa ggggtgctacc aattaaggac 360  
 acataaaggc cctgggatgc ctgttgctnt ccaacagaag ctagtctttc cattttctct 420  
 gtatatctcc agagaatact ttatttt 447

<210> 15157  
 <211> 338  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15157

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 atgatattgc aaaatcttta gaacaaatgc atatntatgg acaagattct aaagganaag 120  
 ggaaaggaag caatgaagat cctctagaag aagccaaatc anatgatgaa cttccaagag 180  
 aatggaaagc ttcaagagat catccnnctt gacacattat tggatgatc tcanaagggg 240

taacaactag acattctctt aaagatttat gcaataatat ggcttttgtg tctatgattg 300  
aacctaanaa tntaaatgac gccataatag atgatcat 338

<210> 15158  
<211> 257  
<212> DNA  
<213> Glycine max

<400> 15158  
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ggaatcaata cagataaaat aatgaagtgg acaaagatca attataagtc ataaccaacc 120  
aaaatcataa ataagtcata acccaaatat aattcaaaca gtcataattc caaaccacat 180  
agaaatctaa cataaaagac tcaagtccaa gtactaaaag ataaattaag tgcagaaaat 240  
gataacttaa ctaccat 257

<210> 15159  
<211> 540  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15159  
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accatttggt aatgaaataa ccaatatact gcaacaattt atcaaccccc aacaaacggg 120  
tcttcataat tctctattag accagtatgc attcctataa cacaagcctc aatttgcaaa 180  
cacaagtaga tagaagctca cattccttgc aacattgaca gttcatacca agactcagaa 240  
nnaccacaag ccaccaanta attcaatata aactaaaca ataattaaga aacgagcatc 300  
caccatcttg agttgagaaa caccctattc aaccaaagac ggcaaacact tacaatgct 360  
tctacctgat attganatcg atacgtanat agtcaccatc agaactcttg taacaattac 420  
agatgtcgng gtgcctacag acaatactac ttagttcctg aaacaagggt gcaagataac 480  
attaaatgaa acttaacaac cagatcanac ttcaaatttt gacaaaccta atagaagata 540

<210> 15160  
<211> 429  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15160

tgctcccaat attnttttnt ggatccacaa ctgctcctcc ctaaataatat aaaataaaaa 60  
ttgacttana tataattnta gtctttttaa tttggataat tattctttta gtgtttttat 120  
tttcagaaaa gcatttttaa aaaatgaaat taaaaaatta ttttttttgg ttaaaattat 180  
catatttaac tttntgaaat caccataaac acaataaaca aagaggaaat taaaataatt 240  
ttttgaanat ntaaaagact aataaaaaata aatntatntt taaaaaacta aaaaaataat 300  
tacttanatt tagaagacta anaacatatt taattaccta aatntacaca gcagtcgtcg 360  
ttgtgtaa at taccataacg cattngcagt aaatgaaata tgatgatata atatgtagcg 420  
tanattact 429

<210> 15161

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15161

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ataaacattc ttatatacta ttttggttgg cttattata aggtccaatt aactaattat 120  
caaaattaag aaaattggtg aatttagttg agggcattaa agacattntt gtgaaaaaaaa 180  
taatacaaag gacattntan gttgaacctt ataataagga tcaagtgaca cttgtaatgt 240  
ggatattata ataagcatta gatggagtac catattaaca cccataantt ttctttcact 300  
ctttttctat catgtaatat caattaacca tacttgatnt ctttctcttc tctctttatg 360  
tgtcaattag tggatcaatga atgtntntnt catttcttaa ctcanattga aaatagaaat 420  
atattttttt aacaactaa 439

<210> 15162

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15162

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aatctttaat ggagaggggtt atcactactg gaaaaccga atgccaattc ttattgaggc 120  
aatagacttg agtatttggg aagccataga aataggtgca tatataccca ccacagtaga 180  
aagaattacc atagatgggtt gcacatcaag tgaaagcata accatagaga aacctagaga 240  
tagatgggtc gaagacgata gaatatgagt accatacaat ctaccagccc aaaacataat 300  
aacatcttgc ctgagaatgg atgaatattt canggtttca aatngtaaga gtgctaaagg 360  
aatgtggaca ctctacanta acacatgatg gactacaaat gtatagatct ggataacaca 420  
ctacccatga g 431

<210> 15163  
<211> 557  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 15163

gggaccatgn nnccttttct ttcaggggtc gacctgaata cgtgtcccn anctgaagtg 60  
acttgtacag accccgccac ncnncganca nannngannc ngannaggat gtgagangag 120  
nagctacgnn nngagaaggg nggggctnag gggannnnga aanggnngaa ngnnnnngann 180  
nnnggnnnntn nggggnantg gnaannactg gtggccatac ccagntatac ctactatcaa 240  
taacactcat atttgaaccc tggntnggag agaaagaaaa agctanatgg actaatatga 300  
cccattctag tttcaaatcc gctcctacta ccatanaang gtcattcana gactgagcca 360  
gctatctgat tacaggatag acttggggag atacctggtg tcacgacacc tgngaaggag 420  
gatcttangt ctggccagaa tgatcaacat gtgagnnatg aactcaaca aagtggtcag 480  
acagatgttg tgcattggtg tcattangat ctngcttct gctgcatgtn gctttntacg 540  
acgataccta accacgn 557

<210> 15164  
<211> 563  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 15164



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 agtacgcgat ataggctttt attttatcgt ggatgtacat cnatatgttt actacgagag 120  
 gcgtcggact gggattatag cgctcatcgt atacacgctc actgtatatac catagcatta 180  
 tacacataaa accgtcaagc tgatcgaaca acggtgtgac acataagaca gatcgtattg 240  
 tgctactatg tgctatcaca tcgtatgaac agtatcgcgt caacgataca atatgtagtc 300  
 tcagacgctc ttcactctgta gatgtgcgta cgatcaggca caagtacact gtctttccat 360  
 tgcacatc ggaacgagaa taaccatatt acgtttcact gtcttcgact cacaactaat 420  
 cgtatatatg ttgtgagccg atgtctcgtg atctctatga tcgtgattct catcacgcta 480  
 acgaacatga ttaatcacca acatctacgc aacaaacatc ctctataccc acgtcctatc 540  
 gaaatgagat cgcctacctg ccg 563

<210> 15165  
 <211> 167  
 <212> DNA  
 <213> Glycine max

<400> 15165  
 aatggagaga ataagaagga gggagaaacc catgctatga ctgtcgttcc tacatggcca 60  
 aatttccac tagctcaaca atatcaatac ttggccaata tcagtccttc tcattacca 120  
 ccaccctatc agccaagaac acccaatcat ccataaaggc caccct 167

<210> 15166  
 <211> 456  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15166

tttgaagatt tggctctctg cagtgaaaag atccgtgtgg gtcttgaaaa aggcaaattt 60  
 agtcatcctg cttggaccaa tgagaaaact ggggccaata aagagggtga ggatgaggga 120  
 gaaacccatg ctgtgacttg ccattctgtg cggcccagtt tcccaccaac ccaaccatgg 180  
 ccttactcaa cctttcttct taaccacccg ccaattatcc ataaaggcca tcccttaatc 240  
 aaccacaaaa gttgtctacc gcactttcaa tgacgaacac cacctttagc acaaacaaaa 300

aaacacccac ccagaaatga tatttgtagt gagaaagcct gtagaattca ccccaattcc 360  
 agtgtcctat gctcgacttg ctccatatct acttgatatt caatggtagc cataccctag 420  
 ccanggtcat caacctcatt tcttcgagat acgacn 456

<210> 15167  
 <211> 564  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15167

cgcnaactatt tggggccccc gnnnnnaact tgatgaccgn atttgtatgt anccgnnncn 60  
 cnggattagt aatgcanntc tnancncgcg ggacnanggn ggcgaaacgg gcgaaaggac 120  
 atatcatcta ttcccatttc acaagtcagg cataagcaca ccatccccag tngccaacct 180  
 ttaaattgag ctcacgtact cctgcgtagc tcttattcct cgtcctctca gcaactgggtc 240  
 cccatcaacc cctccaagct ttcacaaaat ccaaacaatt caattccatt tgtcatgaaa 300  
 ctaccttaca caatgaanaa cagagtagag gcagaacctt tgcacaagaa atcattcaaa 360  
 tccacagaag ttttctaacc tcatacctnc ananatectc ttcgttagat tcgtaaccat 420  
 ggatcgccnn tgaactttac tggaggttnc tatacagaaa tctannattt gacccgngtg 480  
 atctgctaga gaatgcctag acacgagatg actaccttcc cnggactagc actgacaacc 540  
 attntctgct aatggcanna ttcg 564

<210> 15168  
 <211> 334  
 <212> DNA  
 <213> Glycine max  
 <400> 15168

agcttcaaca tcagactcac ttcaggtgct ggaattactt cacatggact tgatggggcc 60  
 tatgcaagtt gaaagcctta gaggaagag gtatgcctat gtttgtgtgg atgattactc 120  
 cagatttacc tgggtcaact ttatcagaga aaaatcagac acctttgaag tattcaagga 180  
 gttgagtcta agacttcaaa gagaaaaaga ctgtgtcatc aagagaatca ggagtgacca 240  
 tggcagagag tttgaaaaca gcaggttcac tgaattctgc acatctgaag gcatcactca 300  
 tgagttctct gcagccatta caccacaaca gaat 334

<210> 15169  
 <211> 496  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15169

ccagagatgg agtccacgga ggaaatgctt accacctcan aagactggat agcggtttct 60  
 aatgactcct ctgcggcttc cacataaggc atagaggatg ggcagctcac caagatgtct 120  
 tcttcgcctg atacgatgac cagatgccct tccactacga atntcaactn ttgggtggagt 180  
 gtagagggaa caacccccac tgagtggatc cacgggcgcc ccaacagaca gctgtanggn 240  
 gggttaatat ccattatntg gaagggtgact tgacagggtg gaagggtat ctgtactgng 300  
 agatcgatct cttccctaac ctctcggcgg gtgccgtcga aggcacgaac caccattgaa 360  
 ctcggttcta agtggaagc atttgatgga atttctcana gtgctcttan gcatcacgtt 420  
 aactggaacc atatcgatga cactttgcta nacatggtca taccttactg accttgcaag 480  
 cttatatgcc tctccg 496

<210> 15170  
 <211> 211  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15170

acctctgctg ncggtcgggc cgtcgtcata ttattatggt tacacatata ttcgtatttc 60  
 tgctactcat actgcctatt attcttattc acgcgcgcaa ccacgtgtat aaggcaccta 120  
 tttctggcta atacattacc accgcgtcct gcgcttatat gcatagtgtt tgatttatcc 180  
 tgcttcctgc tacttcaatc ctaaatacacc c 211

<210> 15171  
 <211> 409  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15171

60101-301440

agctgtaaga catattgctg catcgttatg gatatgtcgc atgatcatcc catctgttga 60  
cgtgggtacc ttggtgatca gatagcttct cctatctctg acggaacgac tggaaatctgt 120  
gattggatat catagcctat tgtgagtaat tagctccaac tcatgagatg atccctcaga 180  
tctgggacat agcagacatt ctgatatgac acatgtctta catcttttoga atacacgaag 240  
atcttacatt ttccttgtag aagaatctta gaattatcac canatgagac attgtcactt 300  
actgattcat caagatccac gaacatgctt ctgttctaca catatgggtg cttgcaccaa 360  
tgtcaaagga tcatgtgttt tcttggtac cttcattacc tccacatgc 409

<210> 15172  
<211> 101  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 15172

atgaatatatt tctacgaatg acaaattggtt cacctaagtt gaagcgacct actgactggt 60  
gagcccaatt gagattgtgt ggatataatc nacctcagga t 101

<210> 15173  
<211> 398  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 15173

agctntataa tggactttct cttcattgct actagcatca gcaatagtaa cagacttctg 60  
tgtcaatata acaagatcaa gatccataac actgaggtgt aattggactt actcattcca 120  
gtcagagaag ttaagcccat taaaattggc acaaattgata cataagaatt cagtgaattg 180  
tgaacatgtg ttgcataata acattcacat aagtgttttg agacatacaa tacatgtcat 240  
acatatgatt tattcacata atgatcaatg tatattgatg ctctcctttg ggtgatacag 300  
ttgtagaagc acgcttcatg atgaatcaag attgattcan agaagttttg acgataacaa 360  
aggtgacgac aaaaagcttc gtgatgatct caagaatc 398

<210> 15174  
<211> 328  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15174

gtgttggttcg ggctgcttct gtcaagtctg ccaaggtgga catgctattg gttatgcatg 60  
tgagggtctaa catgtcatgt gaggggaagcc tgtatattag gcaactctgt ccttttctaa 120  
cagttggaga atgcattgaa gacaaacttt atgttttgtc tgataatgca gctgcggtga 180  
gtgcacacgt agtactattg cacacgtgtc actcgtggag tgggcacgta ctanatacgt 240  
gttgcggtggg atatgaagtt gatttgcggt ctctctctg cagtgaccac cgccacttcg 300  
aaattctatc ttctttctct cgacagat 328

<210> 15175

<211> 522

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15175

ccaacaccca accacttcac atctcagaag cggcgtgtt ctgactaatc gtataaccgc 60  
acacaccacc aacgagcggc gtgaacctg aanacctgcg atatcggcaa acagcgagac 120  
ccgagatcac tgaggcaccg cagcatgcaa ctgttaaaac ttggaaaaaa acacaagcgg 180  
tcgccggcgc cggggttgag accaccacga agagaagaca gaaccgtgat gcataacgca 240  
acaggcggca caacggcagt aacaagaagg catatcgaca agccgagggc tcagcgctaa 300  
cttccaagaa acacctgagt gcactagaag gacgtgagct gaacaccacc aattatacac 360  
ggcgtgacac gaatgacaca tcgaaacgcc actccgacag cggggcccaa aggaagaacc 420  
ggcgaaccgc tgaagagagc tagacttagt ccagcgcaact acatccggca cagaacgcaa 480  
agaccagaaa tgaggaagag atggtccaca tcgacacaca an 522

<210> 15176

<211> 579

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15176

acactctcct cacnncntag ataaacattn tgctgcgttg aatttgaatn ttctgtaaca 60

acgaancnnn nccaacctca gacgcgttga accttganaa ctgctcaaca cgcgaaactac 120  
 acaaactcat gctttgagac agcccacagc aacaaaaagt ctttccctct catctaatac 180  
 actattgcaa gcatatcaat agtgaagccc caaggggaat atgaagtga gcttatagta 240  
 ttctatgacc aattaagggt agagatccat gcactgtacg gctccagggc atatctatag 300  
 taaggatctc tgctctgaat atttatgtcg tcgtgatcct aagtcaatac tctttctaac 360  
 atcttcaccg tataaagacc tgaccagttg acttttataa catatcatca cagtacaaaa 420  
 ctcatatcaa gactcaatga tgctagaagt caacatacat tgccttacta gtatacaaaa 480  
 tgaacctatc caactttcta attatatcat aaacctagta tcccaaacct cctcatattc 540  
 ccatactttc taataagcat tgcaatgaat ggcataacn 579

<210> 15177  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15177

agcttactca ttcagtttta ggagttttat gatgatactt gtgatgttta tgtgctgaaa 60  
 ttgttgatgg aaaactgcta aggatgaatg gtagagttaa cctaagggtta gaaagtgaga 120  
 atgtagtggt atgaatggaa naagaatgag gctttgataa ttggaacgcc aaatctggat 180  
 ttagtggtat ttggagggtta aagggaggtta atcctagttt gaaatgtcat ttaagactta 240  
 tgag 244

<210> 15178  
 <211> 113  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15178

ttccattatt ttattcaagc tctgccacat gtccctattc gattggagca aaagggccca 60  
 ctttctctnt ttgactgtga cccatactca gtcacaaaag tgagaaaaat ctg 113

<210> 15179  
 <211> 577

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15179

ccccacat atcgtagcct ctacctttaa cantctagca cctgtgaatg gtganctact 60  
 aactcatcc caacaggact ggttgaacct tgatccccct gaacggcgaa tcaactcgccc 120  
 cgggatccct agatcgaaact gcagcatgca agcttggtat agaactgacg aaaaatcaag 180  
 aacaagcgtg tgcgcacatc gtcgagtagt atgatataca ctccacaatg tttgaagtag 240  
 aggagagctt caaccctata acgcaacgtg gcggacacaa gtgggcagta aacttgaatg 300  
 gtcgacattg tcaatgcaga aagtattctg cgctgtacta tccatgttca cacatgattg 360  
 cagctagtgg ttacgtgagc aagaactaca accaatatat agcaagtgtt tatacaaacg 420  
 aacgcattct aacagctcac tccgcacaat gcgggcctct gtgaatgaac ggctattctc 480  
 ttctgagacg ctggacctta tctgcccac tacattcgag cgaagtcggc aaatcacaag 540  
 gtaagaatga atggatgggt cacctctggc ccgaccn 577

<210> 15180  
 <211> 286  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15180

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 aacgggtggtt atgtgtggaa acaagtttct aacctggtgt tcaaatttta cgaatatcca 120  
 acggttaacg agtccaacat catagtttta atgggacaag ttctggtgta tgtgggaaaa 180  
 atagagcact gtgcgaggga cattgctctc agcacatata ttattntgaa aatcccaatg 240  
 gtggggatgt gagaaaatga gttctgaact ctgtgttcaa atttca 286

<210> 15181  
 <211> 632  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15181

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 tcatcgtgca cttatgctgt ttactcttca ccacgtgcg acgacgactg atcacatttg 120  
 ataccacgtc tgatacggc gaataccgct cgtccccgcg attctctata gtcaaactgc 180  
 atgcattgca actttttata aaaatattag taatttctgg tacggaatca tanaatttta 240  
 gctcgtgata attcaaagct gatataatgg tgatcctaga ctccatagaa ctaagtaaaa 300  
 ggggtaattc taattactat gagaattaag gggatgacat tttcgtaaatt gcctatacaa 360  
 ctacgttaaa caatggaatt atcttgaatt agttggtgac ccaatataag cgtctaattt 420  
 tatgatgcat gataattcta atacggtaga agtggtagac ctcaaaaaaa tacatctata 480  
 ctgaaaagaa actttttgtc atgcacctga gcacattaa attaactcta gtaggtaatg 540  
 tttctatcat agaattccat gcttatatgc tacattagtg gaacaatatt ctttagctaa 600  
 ttgacagaca taggaactgc tgaacaaaat tt 632

<210> 15182  
 <211> 450  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15182

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 tgtcttggat gntacaatt attgtcttgg ttgtgttggc tctnttaact ntgattggat 120  
 gattagactt gttggttatt tatggttgaa tcattatgga taattgtgct atgatttatt 180  
 gtgcttagtc ctttctcata cgttttggct ttttatgttg caaaggggga gcaacttaag 240  
 ggagaattat catgaactan gcatanattc catcttaaag ggagtagggg tgtgacacac 300  
 atntatcacg gatattcata tcttgtttca gatattgcat catcaaaagg ggatattgag 360  
 aacatatatg attngttttc atgatgccag atgacgcaat caagtangaa tcagaatgca 420  
 aaagaacatg tcttngtana tctagaagag 450

<210> 15183  
 <211> 403  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations



[illegible]

<210>	15184
<211>	285
<212>	DNA
<213>	Glycine max

atctatacat	tccaatccac	tcaattaata	caattttctta	ttcattttcan	acacaaacat	60
tcattttcata	caaaacaaac	cattgaatat	catattcagt	cagtttactg	ttcaaacatg	120
cttttgtaca	agctacaaac	actcaaaca	tagaaattta	naagactaga	atntanaaga	180
ctaataaagc	ataaactaaa	taattgataa	aataaaaactt	ttcataattt	gcagaaattn	240
taaaaaaaaa	attgtgcgga	atttaaaaact	cctggtcatc	ctact		285

<210>	15185
<211>	433
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      15185
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cctttgaggg	tggaggatca	tacacttcaa	caaccattgc	aatangagca	atntcagctt	120
caacatgaaa	atccaattct	tcaatgatag	gttggtacatg	atgagttaaa	gtgaatctgg	180
agtatggcaa	gaacaccata	tagggagaatg	tgtgttcaaa	tacagtagag	aactcccttg	240
tncatatgca	aaccatgttg	anaggatttt	cttanatgaa	gcattgtatgg	tcaaagtctt	300

aataacaatg ccccatctca caatgaactg aatttgcaag aggcttctca tcaagttcca 360  
aactagagca atgacccctt agtctgtaga acctattcat ggcataccaa tccagacttg 420  
taagctaaat ctt 433

<210> 15186  
<211> 259  
<212> DNA  
<213> Glycine max

<400> 15186

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caagtttaaa tgtgatgcc aagaccacct tggagaaact tccttttaat gcgtcacgtc 120  
taaaaccaag ttcgatggta gtacgagcct ttgacggtag tcggcgggag gtgatggggg 180  
aatcgacat cctcattcag ataggccccc acacttgcaa tgtggttttc aagtgatgga 240  
cataaatccc gcctacagc 259

<210> 15187  
<211> 268  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15187

agcttcattg cctatcaagc caacttaca cagcaagccc caagagactc agcataagga 60  
tgcacagacc aaagttgcgt atgtaaaaaa attgtatgac caagtgaagg tgcaaattgc 120  
aaagaagaat gaaagctatg ccaagcaagc ccaaaagaaa aggaaggaag tggatcttga 180  
acccggtgat gatcttggac atttgaggac aaatgtnttc caagatggag ggaatgatga 240  
gaatcatgan acaggccaaa tacagtct 268

<210> 15188  
<211> 399  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15188

ttcttggtgg tgaagctcct tcttccttgg cttattccct agtggatggt gcctccccta 60

tcctcttctc ctttgccttc cgctgcatct ccatgatgaa naatcaccat tgaaggacct 120  
 cattgaagat caaagatcca gcctccatag aagctccaca agcaagcttc catcaagtta 180  
 tgaccatttg aatttctcga gatcttccgt ggttcaattt cnggcgtctc catatgtcat 240  
 gtgcctgaat cggacctccg taagaaaatn tatgaccatt tgaacttctc tagagcttcc 300  
 gttggttaat ttcgagcttc tcgatatctg atgtgcctga atcggacatc cgagtgaann 360  
 agtggacaat ttaatttctc agagcttcgt tgtcaattt 399

<210> 15189  
 <211> 496  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15189

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 cctgcgggat gcttacacgt gaggtgatat gtttcacgac tgatccagtg ctttctctag 120  
 agttgtacag ctcaggctct acgatacagg cattcactca ctttgtaggg atggagagac 180  
 acatacgtct ccatgcagct cctgtcctcc cgtgacctat tgtagctaca tacactgaaa 240  
 cacacatctt ggatgatgtg gagtcatagc cgatatattg atgccggtat gcaagacca 300  
 cccctgctac tgtgcttcat accgctagac ccccttgctt aggaaacctg tgatatgtct 360  
 cttatatgca cagtgtgcca aggtcatac agagacctta acgtgactcg gatcaggagc 420  
 ctgatcaatg tcacataaga cgccctaac ccataactta tctagaacca aacaagtagc 480  
 ctgtatcatc gtaccg 496

<210> 15190  
 <211> 502  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15190

cacaccgctc ttcactctct acatcttgcg gttcgctgtc aaatctaana ctacnnnca 60  
 nnnccannaa gcgagcccgt tgaaccatga taatcacacc attanaccaa cctccgacgc 120  
 gacgacaaga atcacatgtt tgccatcatc tccaagagtg tttttgacaa tgcactcttc 180

atgacgtagt gatgcaaaga agaacaacta gctcatagcg tcacatagtc agattgttca 240  
 caacacacct gagtagaatc tcaaaacacc cagctacatg aaggagagcat cttcatgaca 300  
 tgcagcgaca catagggtga aaggatatca aacactcatc gagacattcc aagacctgag 360  
 acgaacacaa gttaagacgg ccccgagtaat aaaactgtga tgtaccggtt ccgcaggaac 420  
 aacaaaatct agatatccgc gtccttatag tattggatgc acatagcaga ctgactggcc 480  
 aatcaagaac gatcgtgcga cg 502

<210> 15191  
 <211> 570  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15191

ncgagacggc gagtctcatt catattaatc tggcngacg anttgaaaca acnananntn 60  
 agtaaaaaca accagatcnc ncnnnnnnaa gaagaggang ccgtgagccc cttgaactac 120  
 cgtcgaanca cacncggaac ccggagatcc gctagagacg acctgcaagc atgcangcct 180  
 caccttctgg ttctctctta ttinatgcga tgagaaaaca cgctctatct tcgactccca 240  
 ctccaacaat gcttcggaac attcttacct taaaaggagg aacgttgagt taatgcccc 300  
 aaatcggcta agtctaagaa caccaacata tctcatttg ctacttacct cctcattatg 360  
 acctctatca ccattcgacc aacctccatg gaagcacatc cgtagatcat aacctcaca 420  
 agtcgataaa gctgcttcga atgcaacca ctcatctaga tgatcccgca cccaacaaca 480  
 gccaacgaat acacacctgg tgaggataat cctcaccgc aatgaacca atatggtatg 540  
 ttatgaaact cagcatatcc gtaaaccatc 570

<210> 15192  
 <211> 407  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15192

ccccctctt tcatactata ctatagcaat tacncnntt cncagagcgt tggctgaacc 60  
 tagaaacact actgatgacc gaattgcaat tcaaggctac ttttcaatac atcagccata 120

agttaacctt aatgcacagt cctcagaatc atggaaatta caactgttag tcatggctaa 180  
 agataaaaact acatgtaacg aacctcataa tattgactga ttggatgggt gtcacggcc 240  
 tatatatgaa ggcaaatgac accaacctaa gattatatgc atacttgtac aggactcatt 300  
 aatctaattc aacctgaaga acaagaccta taaatacaag tataccgacc agtgtccacg 360  
 tgtttgatga tgctgatgca agagtcttat atcaatgcca ctacacc 407

<210> 15193  
 <211> 491  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15193

accgaaccac cacctaccga caacagaacc aaaagaanat accnncaagg gaggtgagcc 60  
 tgaacctaaa ncccgaccga agcctaagaa ccgcagcggc agccgcaaac ttttgaatta 120  
 ttacgactac caganacgac ggccgaggcg aaaagaccgc ccgggacaaa acccacagag 180  
 aaacaccaca acgctagact agaaccgggg ccacagcgat agaaggatga gaaccctaca 240  
 gaaggaggcg aaccgtaccc aagtgcacca caaggaaaag aacagcccac aagcaaagac 300  
 gaccacccgg atgcgcggac cgaccaaaga cacatggaag aagcgtgcac accaagaaaa 360  
 tgcaatacta acggggcacc gaacagcgcg acgacgtgca accaaagaaa cataggcaca 420  
 aaccggagag aaaaaggaga cagaagtcag acaaaagcca agcaacgcaa cccggccgcc 480  
 aagtacacac c 491

<210> 15194  
 <211> 662  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15194

gactacgctc ancnttcnc tctatctctg tatcaannag gtgtaccgtt acgaaatnng 60  
 nctcctnnnc ancnnnnnnn ancccgacga gcggaattga tccctttgac accgtgcgct 120  
 atccatacat caagcagntc tacgatanga tagcatctat aactatcagc aaactggtac 180  
 tcgttttttt ctatcttatt tatantcaca cttcgtcgaa cgtctgatgt gtgcgctctt 240

gactgatcat actcaacgca gctcatccta cccataactca ctacaggtaa tcacgtgact 300  
 cgctagtcta agatataaca gactatgata cttcctattc actataacaac gaacaatcgt 360  
 gggactctct atctcacàat acacatcatt cgccgctagt ttatagaata ttcataatta 420  
 tgatcctgat cggatagaag atccacagtt ctccggtcat atataatctc tcctaagtac 480  
 gatcgtctga atatgacact gttgagatag atgnactcat cttctgatcg actcttacct 540  
 gactatgacc tctagagatc ttctaagacc gcgattataa gcactcgcgt ccgtatacta 600  
 gtggctctgat atcgtttcgt cgactttctg acagcactga tcgttgttct ctacaaagag 660  
 cg 662

<210> 15195  
 <211> 172  
 <212> DNA  
 <213> Glycine max

<400> 15195  
 agctgctgct gctggacatg tttaagactt gtcagtgcta tacataacat catagagtat 60  
 tatgatattc cattccatga accttctata agatcagaga tatctttgta taccttatgt 120  
 caccggtgac tattgctgat gcatgcgcct tgcttgaact ctttaatctt gc 172

<210> 15196  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<400> 15196  
 tagctaggat attgatagca tgtactgtaa tccatttata ctttggaact taagtgtctt 60  
 ggtgatgaat atcataccac aatcgctata atattccaac acatagatct cttattgaaa 120  
 gaatatggat acaattttta aaacgtgaac aataagattt ggaaatatat attaccatat 180  
 tgacttgatt aattcggttac cggcaaatat aaaactgtac tattgcaatt ataattgtca 240  
 cagcgtaaga cttgaat 257

<210> 15197  
 <211> 143  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 15197

cgcttgtata atgttctgac atgacacata ncacggtttg gattggtgca atggtaaaac 60  
ggatgctcta cattattttc atgtaacaaa tgcgaatatg atgatcttga aactctatgc 120  
aaaatctggc atgcatgcac cta 143

<210> 15198  
<211> 526  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15198

ctccgccttc cctacatct ccaaactacg tagatcgcat aactgactca cnncacccaa 60  
gtgggggggtg tacatgaaac tcaantncac aaanacacaa caggacacaa caaccctctt 120  
gcatccgacc agcttttttcg ctctgatgtt ccaactgcac tgagtgtcta caataatata 180  
ctatgtctct tgcatacagat catccaaatt gtcttgggaat cggctggagc caaactcgtc 240  
gaagaagcta cgcccaatga tatgcatgaa tctgctatgt ctctctctcc cagtcattgc 300  
taacgagact aggatctact gcatatatac agtttttgca gcttaaatac attcctagaa 360  
tgataatgca tacgacggcc agtagctcat ataaccacgc tggtaacaac agagattcct 420  
gtgtgtctaa tataaccaga ggatgtcgcc cagcatctg cagctatatt cgggacactg 480  
catgactaaa taagatgtgg aaccatatca tgaggctcgtg caaacc 526

<210> 15199  
<211> 490  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15199

ccactcatgc actcaccacc ctatgtacaa gcttcgcat cgacgatggc ctatantaca 60  
gagacagtga acctgaacct tgaaccgga acacggggcc ggaacttgaa agccgagcat 120  
gcaactttta atattcccct gaaaagagcg ggaaggcgcg gaatcagaaa ccacggccac 180  
tcctaaaca gtatatatgc taggagaaat ggacggtcta gagaccgagc gtagagggag 240  
aacgatactc acccgcaaaa ggagaaccaa cctagagaat cgcattctcat gcaagctctg 300

attagacaca caacaccagc acagatggca aaaacgggca aatcaacgga aagggaaagg 360  
aaagactaca gcataggatg gacgaaacaa agatagatca cgcgatcaag tgacgacaca 420  
atgcatcatc ggacacggca gcttacctta ccaagaagtc aggggtccact gaaataccaa 480  
cacatgaagc 490

<210> 15200  
<211> 701  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15200

tcaactccgcc tctccctnct atantccaac aaatgagata cgttctnagt ttcggattcg 60.  
anngnnnaaa annnnccccc ncacccgctg agcgattgna cgcatgata cccgatcgaa 120  
acatccgaca atatantata ctncagcnt actngtacag ntttatgatn tgggacacga 180  
gctatatcta cctactgct acngngcttt tactgattgt catgcaccga taattntgct 240  
gaatcccagag atctagatgt caccataggc tatagaaaag tgaagctcat acacattata 300  
gcatcgaatg cacgtctcgt gtgtacgaac gagtngtatc gaatcagaat cataacattg 360  
taggacgtat acacttcaca tatecgcgat tgcatgccac tatgagagac aagcgtcaga 420  
ccgactataa tagtcagaca ttagcgatca tatgatcttt aagcacacac aacatatatc 480  
agcgccagag acatcaatga gctatgtgta gactatgtta tagacacttc tataacattc 540  
aaactagaca attacgaata ctacgacagt cgagaatggg aagacaatat gatatgacac 600  
aatactccac gccgaacaag atcgacgtaa gatcatcatc gcataaatat cgacatactc 660  
ccgacgtcgc atacgataga aactacctca actcccgatc c 701

<210> 15201  
<211> 306  
<212> DNA  
<213> Glycine max

<400> 15201

agctttgtat gtgtgttata caccatcttt ccatagaaag gttgcggtta ggggcgacac 60  
taaagcccct ccaagtgct ctgcatgggt ataccaccaa ctgcttgctt cttatcggca 120



tatccgagga aaggctcgaa gtcagctaga ttgtggtagg gaatatcatg tgtctcccc 180  
 gtgggttgag agacatgtac atgatgaagt tgteggctct taatgagtat gggagcaaag 240  
 tcaatgacat acctatttgg agtgtacgcc atatctggtg gtgtatggtt gggaggcaag 300  
 ccatat 306

<210> 15202  
 <211> 559  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15202

ccacgcatcc cncnattct ttanttaagt aatcggtgtc ataaaacaca cntcnncn 60  
 caagagtgcg atttgaacat gaaacnctga aangcacact aanaactcag cgtagaacct 120  
 tacatacctc cnaaaatagc ctcagttcta agtttctctt tcatgatgta tagctctggc 180  
 tcacatgaag ctattacaga aaggataatt attgcaatta cgttagatga acctgcgtgg 240  
 cgacctgata aaatctcatt aaggntaatt ataggggtctc tattgcatat aattccgact 300  
 gtacaagaca acctccaatg gctaatagtt tacaggtcca tagaagccct catatgaact 360  
 acttgatata tcggctttaa tgttatatac ctagaaacta gataatttta actctcatgt 420  
 tcctgtact cattgaatgc atagacctat atgtgacaca tatctatctt attaccgata 480  
 aattgtgatg atatatgctt ctatgtgacg cacctatagt cttagtgatg cttaactaat 540  
 atactatatt gtctacccg 559

<210> 15203  
 <211> 391  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15203

agcttgata atggctatac atgatacatg tcaaggggtg gtttggttca aagataaaaa 60  
 ggatgcccc cactatttcc atgacacaaa tgcaaaaatg atgatttgga aactnntatg 120  
 caaaactggt catgcatgca cctatgtgga cactcaagt tcaaactttt atgggtcatgt 180  
 gatgctaagg ctcaagattc atttactcca ttttaaatca acccaatgtt tccaaaatat 240

gtgcttttat caatttgggc attcctccaa gtacatctcg agcatgcggg aagattncac 300  
 agcattcacc cttcaggtgt agacacgtat gtttcacaaa ctagctatga tcagcgaata 360  
 tttctattaa agaagaattg ggaatcatct c 391

<210> 15204  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15204

ccttctcgct aagccaatct tgtggcttat cgagcgctcg ctaagcgcaa cactcctgng 60  
 ctaagtgcga ggaagaatcc aaaagaagat gagatgaaca ggttcgctaa gcacactgct 120  
 tcattctact aagtgcacca cttcagttca tcctctaagc gaganagctg cgataagcca 180  
 gaaatcacta atgtgcgcta agcggttcat acgtgcgcta agcgcacgag cacgaacaag 240  
 gccacctatt taagcctg 258

<210> 15205  
 <211> 520  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15205

atgagtacaa ncttganncc cgtttggatn ccancagttg anttacagtt ngaatactac 60  
 cggcgaaancc gaggatcgtc tacagtcttc ctgcgagcat gcacgctgtt atgcaacttc 120  
 ttattgaatg tttgtgcttc ancggatgaa ccatgcagcc tatggcttca tgaacactaa 180  
 ttactgagac atttctgggt gccgaggtga gaggtggagg tgcacattac ttgaggaagc 240  
 ccttcttgct tgccgaattc tttgcgttac aagacaacac tacaacatag gtgtttgaag 300  
 acacccatca tacatgcgca tttctatggg aatcgctgaa ggtccttgca cattgttgag 360  
 cttctacaga tcgaacatct gttctacaac tcacacttaa ctcttgctgt cttttatatg 420  
 ttgaaatcat gtatactgag agcatgtcag gatggaacac aatgctcttg gaaacaaatt 480  
 caacgtaaag ggcaagagaa gtgtttaacc tgtctgaatc 520

<210> 15206

<211> 505  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15206

gcgacatttg acccttgaac atgagtacat cgaacatcna nactcatctt ctcattgatc 60  
 cagctatgat gaacatacag cctatcttat tcatatctcn ctctttttac actggcacca 120  
 gacacttgat cataggcctc tctaaacaat gcctaacacg atacaaagga actattcacc 180  
 actaaatacg ctgagtctca catggtggta tgcaaatcat gttacactcc actcgttcat 240  
 actgagaaat ttaccatcca tagaatgcgc tgataaccct gatcatatga cttataggag 300  
 cttgattgga tatttaacga tctctataca cgaggaccaa catctatttg ctacaagact 360  
 aacttgaatg ttgttgccct caacacgcat cgtcttccaa cactacgtgg tcagggacac 420  
 catcttcaac acagattatt tccatacgat cactagggat actgaccatt tttgtagctt 480  
 aatacccgca tactttaaaa acact 505

<210> 15207  
 <211> 431  
 <212> DNA  
 <213> Glycine max

<400> 15207

tatgttggtta cctttgaaga aggtcttccc atcccacgga tggtttaciaa gttctacttt 60  
 ctgacctctg cgaagcattt cttccgttaa gtagagcttg gatccattgg gtaggttcta 120  
 tcaagaatta tcttgatatt aagttccctt ctgatatgca aagttggagg ataagtattg 180  
 cgtttgatg aacatctata gaaagaagcc tgcttagctc agtcaactca tcaagtagat 240  
 aactttgtgt ctgtaagggg aaccaaaaaa aatctttgta tgggccgcca tagaaaaatg 300  
 ttcttttgcc aatagacctt tgaaagattg acttccgtta gatagatcca tgctacttct 360  
 ttaagacgaa atgctcaaac tattaacgtc atggcatacg tgtgctatat cattccattg 420  
 gatatgcagt t 431

<210> 15208  
 <211> 485  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 15208

ctatggaagt nggatctttg agcttaataa tggctcttca atggtgattt aagccatgga 60  
gttgtagcga aagataaagg agaagaggtg agaggaggcg ccatccacta gagaataagc 120  
catggaagga gaagcttcac caccaagaga gtgccttgga taagaagctt agagagggaa 180  
gcttcatgga ggaagataat gagagagagt ggcgtggaaa ttgaggagaa taaggagaga 240  
agttgaactt tgaagtgtgt ctcaacagtt tctcattcat canagttatg acangtgta 300  
cacatgtntc tatttatang ctaacacatg agaagcttcc ttaagaagca aggaaggtag 360  
attccttgng aagctatgga agaaagcttc ttgagaacta gagggggcta ctccaccnc 420  
caatagctan ctcccccat gccaaataaa tgaaatacat tgggaagctc cttggaagca 480  
ggaag 485

<210> 15209  
<211> 346  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15209

agctntaaag attttgtttg aaatgtggtg tcaattcatt tatgtggtgt gctcatggtc 60  
cattggtgaa aatcttttca atatttatc ttcgtatgca caacattata taactattta 120  
tcaaaattcc acaattatgg ttaagctatt tatataactt aatattaagt agccatagtt 180  
tcttctaatt aattcgagct tgaattaatc tagatcctaa aacactcttg tatttaaata 240  
gctcaaatta atttgaatac catgtgcaat ttttggatct agattattca gctntaatac 300  
aagagtgctc taggcggtga agactctcaa tcaatttcaa tacatg 346

<210> 15210  
<211> 302  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15210

tacacattaa gntatccta tgcaacacaa gttagttaca atgaagttat tattattatt 60

atatggtcaa ggtattatatt tattatcaca aaggaatgta gagagaaaaa agacaatgga 120  
 aagagtgaca taagaagggtt gacaaagtga gcgcatagcc aanaacaaaa atgtgaaaat 180  
 ggtaacactc cgaacgttaa taacaccatc acatcaccaa tgcctactct ttctccctca 240  
 ctcttctct tctacaaatt gccataaata anatctcgcg gcaaattctt tctctattca 300  
 tt 302

<210> 15211  
 <211> 490  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15211

agtcgaccct gcangggcat gcaagcctta ctttgagaaa gtatggaacg gtagtctntc 60  
 ttcgtgaaag ttacgagggt ggggcctatt cacacnccc tacaatatac taaagcttct 120  
 accttcatgc ccagaatacc atgaataata ccaatgggca aacttgcctt tgagaacgcg 180  
 aacgaatagt cacttctctc tngngaaagca agggaagaag aactcgcttt gaaaagctaa 240  
 gagatggggg gggagggtac nagcggcttc catttactta cggacaccat tcgacaccgc 300  
 agttaaagc tattgccatt gaactctctc aaagcttcta attcaatacg aacgtctcgt 360  
 atataccgga ctcatccgac tccaagtaaa agtaatgtgg tcgattttct catacctaca 420  
 ttttaattct agcgttcgat tattcggaca catcgacatc cagtaaaatc atgtcttgat 480  
 tattataccc 490

<210> 15212  
 <211> 332  
 <212> DNA  
 <213> Glycine max

<400> 15212

aacagagata tctattctat agatacatat aattataaca atttccatgg ctctttatac 60  
 tgtttcagca ctgctgcttg ctaccacgta ctgtgtttta gctatggtaa ccaagttacc 120  
 ccatacaagt gagcaataac ctattataga ctttctgtga gtgatagacc ctaccacgac 180  
 aacattagcg tatgccttga tggttcatac tgcggtatct ttgtgttacg agaagacata 240  
 tgcatatgcc ctctcttctc aagatccgat atactacctt taggtagtct tgataggagg 300

aatgtgtgag atgacttact aaacttaccc ca

332

<210> 15213  
<211> 398  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15213

agcttatacct tatggtctgc ctncggactt caccctcgt gccaccccag aagatntaag 60  
tcaagcccct acttttgagg ggcaactccc accttatgaa gactatcccg ggccagacga 120  
tggggaagga gatacccatc ttggccccct cctccacctc aaagatccat ccccgcatga 180  
actaccccag ccgaacatag tccgccatat cccggcctca cccacgcctg tgaaagaatc 240  
tgttcccttt gcggagagta gggaaagatt gggcgcttga agaaagggtg anggcgtcaa 300  
ggcctcgga ttaccattc tcggattggc agattatgtc tgtaccaaca tcgtcatcct 360  
ccanatcaag gaccagactt gataatacaa gggcaaca 398

<210> 15214  
<211> 143  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15214

acacacccat tctaaaacta agctcacctt cttgagaagc ttccttgaga agctagagct 60  
tagctacaca caccatcta anaactaagc tcacctcctt gagaagcttt cttgagaagc 120  
tagagcttag ctacacaccc cta 143

<210> 15215  
<211> 416  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15215

agctntcttg ttatattatg tgtttcaaga acaaatgaa naataaaca acaattaaac 60  
aaaaaagaat aattgtgtca ttctttttaga gaggggtgtg gcagtaaaga aantttttca 120

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aagccgaa	at	aggctaacc	g	gcctaaataa	tccataagg	g	180
atattttg	ta	aagttacat	t	gataatataa	agacttaatt	ataaaaa	240
tttttcca	ac	ttactaaat	t	agtctcatta	tattntaatt	cactattag	300
					gtctttnttc		

aaattgatta tttgtgtcct cagaacaaaa tttagacgtt gacgattaag aagaaacagt 360  
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<210> 15218  
<211> 78  
<212> DNA  
<213> Glycine max

<400> 15218  
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ggtaagttat caataaac 78

<210> 15219  
<211> 385  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15219

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tgttgacat tggtagtcat catatgttta gtttctagac gtgtctgtaa ttgtaaattt 180  
accttgtttt gccaacataa attatcatct gatttctata attgcctgct tactcttctg 240  
atatatgctg agctactagt atttatatcc tctatttgag ttcttgagaa ttacatatgc 300  
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cttggaacac atgtatttgt tacac 385

<210> 15220  
<211> 314  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15220

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tnatgattgt gatgcaatcc cccccccaa gggcactgga tagaagactc caagaagatt 120  
gagccagaga tgcaagagaa ggcctatga ttctcatgag ccttanggta gatttcgagc 180



ccatgggcta agtacaagcc cacttatctg tgtacatatt agattaatgg ttcattatth 240  
 ctgggnngttg tatttatggc tccataatgt angtagggtg ccctagaaat gtaggatnnt 300  
 tcacccttgt atth 314

<210> 15221  
 <211> 343  
 <212> DNA  
 <213> Glycine max

<400> 15221

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 atgtgctcat ggaagaaatt gaaaaataca agacgtatgc cgagagggtg gagcccttha 120  
 ttgctgatac tgtgcttgtc atgaatgatg ccatataaca aaagaagaag atthttgttg 180  
 aaggacgaca agctaccatg ttggacattg atthtcgaac ttatccctth gttacttctt 240  
 ctagcccatc aacaggcagg atatgcactg gtctaggtat tgctccaaag gtagttggtg 300  
 attaatatga gtggtacgtg gatatthtct tathctthtt tta 343

<210> 15222  
 <211> 460  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15222

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 caaactgtgc ctatthttaga agaaacctta atcaagtaaa taaaatcaaa atgagcgtha 120  
 taatthcatt ataaagtagt caaagaaacc atataccacg taatgccaaa gacgctacca 180  
 agtgatectg aataatthnt ttcctthtaac cagtgcacga tgthgaagat aatgthcaga 240  
 actntgaggg caaaacagth aatagccaag ccaagccaag cttatatatg thtatantg 300  
 taaacaaaat canaacaaag ctggccgata aattaaagaa gtacgtcatc ttaaathtga 360  
 aaccggatat attgthanagt gatcgaccac caagctctag thtaatagta aatgaagtac 420  
 tataactnta cagaaaaatca ctntgaatct gtacaattat 460

<210> 15223  
 <211> 433

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15223

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gcacaacaag ctttccacat ccacaatgcg cgcagaaacc caccattccc tgttgcccac 120  
cttcaactga gtcacgtac tcccacgtag cccatattct cgtttctctc aacaccgggt 180  
ccccatcaat actctcaagc ttccacaaca ttcaagcaaa acaacattca aacagcataa 240  
gctatcacaa ccaagaaaaa cagagcgaag gcagaaaact ctgctcaaca catcaaccaa 300  
aatcacagct tttctcacgt aaagaccaca gtaacaattt cttcgatcca attcggtaac 360  
cgttgatcg actccaaaat tttactggaa gtctatagtg cataagccta cattntgacc 420  
gttggtatct act 433

<210> 15224  
<211> 500  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15224

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tgtnntaagg gtagcatttc ttggtaaaac taactttcct aatgtttgcc ttgcacgat 120  
atggccccga ggaagcttgt ctcaaagagg tccaggaagg acaaggcggc cgaaggaact 180  
agttccgctc ctgagtatga cagtcaccgc tttatgagcg ctgtacacca gcagcgcttc 240  
gaggccatca aggggtggtc gtttctccgg gagcgacgag tccagctcan ggacgacgag 300  
tatactgatt tcctggagga aatagggcgc cggcggtgga catcactggt tactcccatg 360  
gccangttcg atccagaaat agtccttgag tttatgcaa tgcttgga cagaggangg 420  
ngtgcnaca tgagatctgn gtanggggta gtggatccgt tgatgcgacc tatcggccag 480  
ctctggatat ccgtagtgn 500

<210> 15225  
<211> 399  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
 <400> 15225

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 gacatcacat taaagaataa atcaagattg gttgcaaaag gatacaacct agaagaaaga 180  
 atctgctatg atgaaaccta tgctctagct gcaatgttag aagctatacg attactactc 240  
 tcattcgctt gattatgaat ttcagactnt gttagatgga tgtaaataatg tcttctcaat 300  
 tatgcattga gaaaagtgtt gtaatcaacc acttgattga gctatnaaca tctaccatgt 360  
 taaaacaaca aatgtcttta tgttgaacat cacaagtct 399

<210> 15226  
 <211> 577  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15226

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 agagtctttt acgatgtgga tgctgagcca tgttctcgga atgatcacga tcataaagct 180  
 cataatcaga atgcctctaa ttataatgct ccctatcacg atgttcaa at cacctataac 240  
 agaatgcccg attctcacgt tattgaatgc tgcaaatgat caataagtat ataatgatgc 300  
 cttactaate tatgagatgt tctatctatt ctatgatata aggggttgaag atcaatagat 360  
 tgctctact catacactta cattagcatg ctcaacta gattgccttg tcatgcttaa 420  
 taacggtgta tgtctgaact acagcaactc cttaatgata ttctaatgac ttgagattct 480  
 gcagcgtacc cttatttgat gtgaaatagc catacacatt ccaccaa at ttaagtctac 540  
 ttgtaagcta aaatgcaggt aggatattaa tgatacn 577

<210> 15227  
 <211> 288  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 15227

agcttgtgac tcttggcaat ntcttttaan aactagtcac ttaanaagtt gtgacttttg 60  
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aatcagtcac tggtaatcga ttaccattaa ggtataatcg attacacatc aacaaatgtg 180  
actttttcat ttgaattttg aaaattaaaa tgtttagaag ctctcgtaat caattacaag 240  
tggtgtggta atcgatacaa gtgttggtga attgattaca ctagttta 288

<210> 15228

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15228

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tgaagcggaa gctgtctgag agcttgagat gagtntgtga agtggtgaaa atcctagagg 180  
tgaaagagac atcctcacca cttngatntn nttgtatctt tttgcatggt cttctcnttt 240  
gtgtaatgaa gcttctgtt atggcangct aaatcctctg tggatcttct tgtangactn 300  
gatgtaatat cttctatcta ttaatgatgt ttgtgtgtct ctgactctag ctttcatcta 360  
gatgcattac ctgacatgcy atcatgcttg tanggtatca cagtgaactg tctatctatg 420  
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<210> 15229

<211> 309

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15229

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gatggtcatt ccacagagag agatgcgtcc agcttaggga cgatgagtac acagattttt 180  
aggaggagat agctcgccga cattggacgt cgctgggtcac tcccatggct aagtttgacc 240

ctgatatagt cctggagttt tatgctaattg ctnggccac agaaaagggg gtgcgagaca 300  
 tgcagtcac 309

<210> 15230  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15230

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 tgcagcatca ttgtgatgtt cccagccttt gatgacagct atccagggtc tgctatccag 120  
 tgatgtgagg aatgccacca tccttgctct ccagtattca tagttggtc catctaagat 180  
 tgggtggtctg ttcactgggc ctacttcttt ctccatgttc atcagaatat atctccctag 240  
 atctactct 249

<210> 15231  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15231

ggtgtactgt taatacatatt ctgaacgctn cttatattat gctaagtagt gtgtggataa 60  
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 attntatata ttatttgaat aaaataattt aaaatttgtt tttaaaataa tttgatgatg 180  
 tgtaaaataa aaataacatt ctttaaaaaa atgggtggat taattatgtg gtcaactcat 240  
 caattca 247

<210> 15232  
 <211> 204  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15232

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atcanaatat tacgttacct gtaacaaaca tacagtagag agagaacaga gaagcatacc 180  
tagaaatcgc agagagataa caaa 204

<210> 15233  
<211> 331  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15233

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acctaattca taacctggag catntatagt tttctctaatt atttctaatt gcctgcataa 180  
tcaaagctcc aatctttcaa gagctcactt cctcttgaga tagagctcta tcatttaagc 240  
cagccttcaa agcattcagc tccttttttaa tattctggac ttttctagca ttagcttcac 300  
catttgaaaa ctccaatgct ttatacactg t 331

<210> 15234  
<211> 523  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15234

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gaatgatctg cataactgac attttctcat agtgcttggg gcctttgctg aacgatctca 120  
ccattcttcc tttcttttggt ggtctgctta ctactatacc cctggtttgc tattcgacct 180  
ctacccttac tattatctnt cattgcctaa cagatacatg ccanacataa gcttgaacta 240  
ctttattttt gggaagaggc tgcanatact ataccaagac atgctgtcga agtcttcggt 300  
cttatctata gtgtgaaact tatgaaacta ngagtgggtat gtaatcatat gtatgcanta 360  
gactagatga tactatcagg aatttgata ttcatTTAAC gatatttgag cattgtttga 420  
tgaagcttac ctcatcaaaa tctagatacg gttgacatgg agactaagac atcaacgtct 480  
acttatgcta ttcgatcnga agttactttg ctacacaaca ttg 523

<210> 15235  
 <211> 403  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15235

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 ctccgataaa tggttgagga tggagaatca cactaagcaa tcactacgca ttgcttccaa 180  
 ctccgtggtg gaggacgctt aacgataacg ctatcatggg gctccaaaaa gggttgaaat 240  
 ggagattaca ctaaccatca ctacgcatgg ctccaactcg tgggtgatgc ncatgaacga 300  
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 ttcaactctg gtgggggacta taaccaaccc attatggggtt cct 403

<210> 15236  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15236

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 actntgaagt gtgtctcata tgtttctcat tcaacanagt tgggacaagt gttacacatg 120  
 tntctatnta tagcctangg cactaacggt gtgaatntca ttctcatttc atgtgaacct 180  
 aanagggata ttccaagaat atgccaaagg cattatagta tattcccttt aaatgtcaca 240  
 agcatggaag ttgtggctct agcacat 267

<210> 15237  
 <211> 300  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15237

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 tcccgaaaaa ggtggagtat ggaggattgc cttgagggtc cgcacttang caatcatgaa 120

actcagctcc aaactcgaaa gtggaggaca cgtgaacagc cctaagcaat aacattcatg 180  
 tgactctaga aaaggatgag aatggangat tgccttgagg gtcctctctt angcnatcat 240  
 ggaacatagc ttcaaactcg aaaatggagg acacacgaat gacaatgcaa ttcattcatg 300

<210> 15238  
 <211> 210  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15238

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 aactggtgcg gtgaacgtgg ataattttgg gctcgattca agaaatgggc tcggccaagt 180  
 atgaggttga aaaattcata gggaaaaaatg 210

<210> 15239  
 <211> 431  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15239

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 atatgttgat aatcattgat caatataaag aaaaggtgaa cctagctgct attcataggc 180  
 aggtgctgag agatgaacag gcgatggtgt catcctatca gggtgaaaga gaggcaaggg 240  
 aagacgtgaa agttattgca tgaagaacgc atgaagtgga tggatagggt tgctctcact 300  
 ttgaatgaaa gtcaagagct tccatagctg ttagccaaag ccaagactgt ggctgacaca 360  
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 atgaccaca t 431

<210> 15240  
 <211> 436  
 <212> DNA  
 <213> Glycine max



<223> unsure at all n locations  
<400> 15240

tcttcttaat gaaaccgtta anaaggcact ctntaacatc ctttgaataa gcttaatggt 60  
nntgtgagca acaaaggcta aatgattct tataacttca agtctagcaa catgaacaaa 120  
ggtttcagag aaatctataa cttntgttg attatctct caagctacta acctagctnt 180  
gttgcatact acttttcctt gttcatccaa cttgtttctg aagattcatc ttgttccaat 240  
gggtgctcttg ttntctggca ttggaacaaa tgtccagaca ttcattttgt taaactgatt 300  
cagtttttct tccattgtga ttatttagtc attntctatc anagctntgt ctatagttnt 360  
aggttngatt canacacatg ngctttaatg atatctagtt taactccttc ntctaattctc 420  
agatatatga tcttat 436

<210> 15241  
<211> 412  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15241

agctttgata accacacgaa tagcgaattc acattcactt agaacatctg atgaacatat 60  
agctgtaatg gctccaacaa agtctctcga aagagttgaa gcattcttgt atctataagt 120  
gctggtttcc aagctttcct ttgggatgaa ccttgccgaa aggactgaa aataatccaa 180  
tctctgtgac gcaggccata attgagcttg actcttgcca acttggcttg atcttccaac 240  
aaatacccta tcatctttct gtcaacagtg atanagtagg ctaaatatct gaaatgaaat 300  
tctatatntt gaatcagcat gttttcatct atgaattgat ggaacagaaa ataacctgaa 360  
ctggactgca tttgattcat ctagatataa cttttcatca atctctaagc ct 412

<210> 15242  
<211> 291  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15242

ctacaccatc aggactcgag aggaaattgc aacaatttta cacaagaatc tcaggaaagc 60  
acaggagagg atgcagtngt atgctaacaa gaatatgata gacaaagaat ctgtagtgcg 120

agatcgtgta tatctgaagt tacaaccatt taaacaacaa tcaataccta acttagtggt 180  
 tcacatatta gccaatgac attttagcta gaagaataaa gaatagaggc aacatgctgg 240  
 ttacagaagt gctaatacat tgtcaacata ccacaccaga agaagctaca t 291

<210> 15243  
 <211> 449  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15243

agcgatgctc tagagatcct ctacaggcat gctgcctgcg tccagccgct tgatatattt 60  
 gatggactca tggtcactat gaatgacaaa ttccttggga taaaggtagt gttgccatgt 120  
 tttcaaagcc cgtactaagg catacaactc cttatcataa gttgaatagt taagggtagg 180  
 accacttaac ttttactaa aataagcagt tggatggcct tcttgcatca acacagcccc 240  
 aatcccaaca tttgaagcat cacactcaat ttcaaaagaa ttttgaaagt ntggcaacgc 300  
 aagtataggg gcattagtta gctnttgctt aagaacattg aaagcttctt cttgtttctc 360  
 ttcccatttg aaaccagcat ttttcttgag cacttcattg agagggtgctg ccaatgtgct 420  
 aaaatccttc acaaatcgtc tataaaaac 449

<210> 15244  
 <211> 426  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15244

aaagagaagt tctgaaactc atcacgttgt ctaaaaaggc cttgaggtgg atccaagtgc 60  
 tctgatcatt cattagcata ttcattgattt ggtggcatgc tcaccactgt ttgtttcttt 120  
 agggaaactca ccataactaa naaagcgcan aggcaccctt ataacacctg atccaaaagt 180  
 aagatggata acgaagagga agtgcaagaa caaatgaagg ccgacatgtt ggccttaaaa 240  
 gattagatgg cttctatcac ggaagccatg ctaaagattc anaaatcaat agaagataat 300  
 gctacggcag ccgtttccaa tacagctagg gaagcggaac cgggtgctaca gcccgtaata 360  
 aacttnggcc gagatagana tgtgacgggt ttcaatcgga ggtatagtcc tcaagcctac 420

ccttat

426

<210> 15245  
<211> 357  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15245

agcttgaatg tccatctcct tctctntcac tcttcattnt catgactagg aaggattcaa 60  
gtttctagct caaccacac tattttcttt gtttcattga gtcaacaaag agttaaggga 120  
gtagtatttc atttcttagg acccgtacta tgttgctagg aactcgaact tcattttacat 180  
gatgatnttg tatgtttagt acaaatccca taactctgta attgtggtac tgtgaatact 240  
gcgaattgaa tttgtgaatt tggatcaatc tgagncattg ccctaanacc taagaagcta 300  
catgatatgc tattggattg tgtacttgga aataatttta agttaagcaa tatatga 357

<210> 15246  
<211> 214  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15246

tattgcatta ctttccttaa ttntttaaat actgctcaag gggttccac gaactctaac 60  
agaataaagg tcattcctga gtgaccact ccaccaatta taaaggaaat ttggggattc 120  
catgacttaa caaactttta caaaaggggt gtcccatatt nttctatacc ttgagcacc 180  
ctcattgagt tggagaggaa ccatgttccc tcat 214

<210> 15247  
<211> 505  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15247

nttgaaacct tgaatccct taacnccgtg gaaaaagcga gntntcgaga tattcaggct 60  
actaatgctg catgttgta agaattctca tcacatatat atatgtgaat gttgaggac 120

tgaaaatacc ttagatatga atgatatagc aaaaatacct cacataatat atatatgtat 180  
 gtttgggtag caagatacct tggatatgca tgtatataac taanatacct cacaaatata 240  
 tacacatggt taggtagcaa natacctata tatatatata tatatatgtg tgtgtgtgtg 300  
 tgtgtgtgtg tgtgagtgtg tgtgtgtgac ncccacttat atatcagata tcttcttagg 360  
 gtctagtaaa ctatatatat tgtatgatcg ctgcttatat cttgattatc atatatccat 420  
 atttgggtatc atctcttctg tacgacttta actaatatat tgacttccta tctcttgact 480  
 caacttcaag actcattttt tctcg 505

<210> 15248  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15248

tgtgcttggg tcgttcatga tgagcangtn tgaaccaata cttatagcan atntattatc 60  
 acagaataac atcatagagg gcacatcaac ttcaaagtga agaagtaact tgcttaacca 120  
 aacaatttca ctagtaacag aagacaagac acgatattca gcttcagtgg atgatttaaa 180  
 atagtggggt gtntcttaga atgccaagaa agaagttggt tcccaaaaa cacaaaagtc 240  
 agaagtggat cttttggtat caacacaact 270

<210> 15249  
 <211> 422  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15249

agcttatgca tggaatatgt aattatgaaa ttgagatgcc cgaagataca ccatttccta 60  
 gtttaaccatg cattatgtac catgttcaat tattttgttt ttaagtgaaa tgggtttatg 120  
 atcccaacat ggttggctcg tggtgccctaa cacatgaaac taagaatgta gtgtgaaatt 180  
 tcacgcttcc cctttttttg tttntgtttt gtagaggaaa acgcaaggat gagcaaacat 240  
 gataacaaat ggtatgcaat tntgcagatc anaaagtttg ttgaacgcat atgcatgatg 300  
 atgccatgac tcatgcaaaa tgtgaggccg gaatatgata acggacaaat gcaggatatg 360

tccatttatg atgtatgaag agatgcttat gcgatgcatg atatgaatgc attntacgga 420  
ca 422

<210> 15250  
<211> 432  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15250

tactcagctt ttatccaggc tcactcttggg ggtgaagctc tntnttccat ggcttattcc 60  
ttaatggatg gcgcctcctc tcacctcttc tcctttgtct tccgctgcat ctccatgggtg 120  
aaaaatcacc attgaaggac ctcatgaag ctcanagatc cagcttccat agaagctcca 180  
caagcaagct tccatcaagt ggtaatcaga gcacaagagc ttcaagtagg tgctccttaa 240  
aacctccatt aatttttttc ttgctcttct ctccattgt tgnntcttaa ttnttctcca 300  
tgtatctcct cacatgtctt gttctaaatg ttgttaacat gattctttag agntccacc 360  
gattaaactt gctatagaag ttagattnga ttntctatgg ttcanatttc ttgttcttgt 420  
tcttgaacca tg 432

<210> 15251  
<211> 393  
<212> DNA  
<213> Glycine max

<400> 15251  
agctttacgt gtgtccaagc gcagtatctt ctgcgttttt atcacaaact gataaaccat 60  
ccacaaaaat tgatatttgg tgtaaatttg ttgcattcat ataataatgc tggacacttt 120  
cggaatgaat gagcttatga gcatctgcta aatatgactg cagtgtgttg catatctcaa 180  
tggaatgacag ttctgtgctg ttatataaga actgtgcagt aattattctc ttttaattgtt 240  
actaaattta ttatcttttc cagctatata attatatatt tatggatg atattatttt 300  
atcattaaat catgcattca atcttggatc ttgcatccac gttgccacc ttagttatag 360  
gtagttcact tctccagcct attactaaat tct 393

<210> 15252  
<211> 172

<212> DNA  
<213> Glycine max

<400> 15252

tcacaaaagc ttgaaggcat gtaacccact atcttctcat agtagaacac cggtaatgtg 60  
tctactatca tttttatcaa tctcctttcc atcattggag gtgctacttt gagcttcaaa 120  
tccttcacc ttggccgta ttctttgaag gattcattct cttctttcac at 172

<210> 15253  
<211> 427  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15253

agcttaacat acatgttagt ttgtgaggta catctgntag cttatatatc tgtttgccaa 60  
ttttaagctg aaatctaacc gttacaactg tctgagactg tagttttaaa agttattcga 120  
tcttatgttt gagtgggata gctagatgaa gtcccttgta tgaccgaagt tgttttcatt 180  
gtcaacgttg caattgatgc cttttctatg ttccatgcag catctatgct taactggagt 240  
ttgatatctt tgcttgattt gatggcattt cttttcattc agtacactgc ttctagaaag 300  
ggtgagaagc ttgctcttat ccttgctatg tattctttaa tacatgaatt ttcatgcctt 360  
gtacttacac cttaaagaaac cagaggaaca ataaagggaa ttggtgatgc ccatctcaaa 420  
tttatta 427

<210> 15254  
<211> 259  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15254

ttctggacat gttgcctca ttgaatacta gatatcaata tgtcaaaacc attttaaatc 60  
ataccatacg ctgtcaacat tgnctaaat cctttacagc tcatgatatg gngaaccaca 120  
atgtgccacc aggatactgg gcaccattta ataaccagaa agagccttca aaacatgcat 180  
cgtctaaaga agcatcaaaa ggctatggtg gaaaatcttc tggtagagaa caggagggtg 240  
tatccatgtc aaaatgctc 259

<210> 15255  
 <211> 319  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15255

agcttgctac acaaataacc tgtgattgtg tcaatctcct gtgatttgtgt gtaggaacaa 60  
 ggaagtanga actattagcc tatgtgacat ctggtaaata accagattga gatagtttgg 120  
 tgtggccatg actatagttc taatagcagc catgatatta anagtccctt tttgcaacct 180  
 aaattcagtt tagttaaaaa acattcagtt cccttctccc taattttgat ctcatgtttc 240  
 cacttttttc tcaatctctc ttcatatctg atttatttaa tgattcactc tctcatacct 300  
 gtctgactgt ngaatttct 319

<210> 15256  
 <211> 332  
 <212> DNA  
 <213> Glycine max

<400> 15256

atctagtcaa gttcttagag accatacaag tttcctaacg atatctaatt atgtgggcca 60  
 ttaagtctat catatgctga caatagccga gaagcccatg aatctcttcg ggggcggagt 120  
 aggtgtctgc catcgcttg gccttggtc acaatcggcg aagttcttga ctcccgttca 180  
 aggtaagagc aaactgatcc atccacatgg ttgcctcttg gtgtaaagag tcgatcacct 240  
 ttctctagc ctctttttcc gcgtatactt gggcatattc gtcccgaatc ctatgctcgt 300  
 gggccgcggc tagacctaac tcttcttgga ct 332

<210> 15257  
 <211> 437  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15257

tcattgttct tttcttatct ctaacaaaaa cttattcaat aatttaacct taanaatcta 60  
 cgtgtttcta aagaagtgt attggttcaa atttatatgt tattggtctc taccaaagaa 120

gtgatccctt tttttattcc caaaatgtct ttcccacgga atcatgattc cattgaataa 180  
aatgcgtaat aaaatcgtga tttcattgcg caattatfff tgcaccccct caacacaaca 240  
aaatcgtgat ttagttgtat aatgtacaat ataatcatga ttntgttcga tattttttta 300  
tcaactctaga tataacanaa tcaaaaatcc cgttgttttt ttgacacca cttaacacaa 360  
cggaatcttg attcccgtat actatntttt taananaaaa taaaaatata ttttaagttt 420  
ttattgattg acactac 437

<210> 15258  
<211> 536  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15258

tgggacatga cccttagtt ctgtgcacta ttaatactca agctaagctc cttcactgcn 60  
canggtctta atatttgaag agtatccttg tggaaccttc acccgacana gacactgann 120  
aaaacttatc ttctnctttt tggacanagt atgagaagct ggnnggcaag taaatttctt 180  
cccatcagac cttggatgca actatgatcg tatcccatc ttagctagat cttgacgggt 240  
atntgtcgca natgcccttn tgcggggcgtg tgaggcgagg ctcacgtgtg cgctttcana 300  
ggangaaaga tgcgcggagt cgccaccaac gtctatgtgt ggaanacgtc tganaaacca 360  
naggataccg gtcaaaatga nattctaagt tggggaatng tattacgtnt gaggaagggt 420  
atacacctct cacgttngct caangggaca cagctcattt ttagaatngt ggaatngtgt 480  
actttacttt atttctnntt atatttaggt cacaaagcgg gctttgtcta ctaccn 536

<210> 15259  
<211> 417  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15259

agcttatgtn gcttcttgtg tcatatgaca ttcaactcct ggtaataacc ttccctgtcc 60  
ttccacatta acattaaatg cattntgtcc tacttgtctt ttcccttttag cacaaaanaa 120  
aaaccttatt gaccctagaa ctgctcccat agctattggg ggtgccgggt tgggtgaatc 180



aactccaagt gaggtttatg catccttctc cctctgtagc cttcttctcc acccacctca 240  
 ccttctagcc attccattgc ttttgagcca cccccctcta cagtgtcgtc tgacaactgc 300  
 tttgatgctt cctcataatc cttaaaacaa catcttgcac cccatgtcta tggntcttct 360  
 tacaccatgg ttaccaccaa anagcctcct ttcacactga ctctttaaat aaactac 417

<210> 15260  
 <211> 64  
 <212> DNA  
 <213> Glycine max

<400> 15260

gtgggatgac accgactggg atgacattct cttgcggtat tgcataatgtg gaggggtgaac 60  
 gtgt 64

<210> 15261  
 <211> 393  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15261

agcttcanac ttgcatcana ggagttgagc aggtaaaaaa gattcgtctt caaactctta 60  
 gaggtgactt tgagcgtttg tttatggagg agtccgagtc aatttctgat tatttttctc 120  
 gagtattggc cgtagtcaat caacttaaaa gaaatgggtga agatgttgat gaggtgaaag 180  
 tcatggaaaa aataacttga acttttaaat caagctttga cttcattgtt accaacattg 240  
 aagaaaacaa ggattttatag accatgacta ttgagcaact catgggttcc ttacaagcat 300  
 acgaagaana acaaaagaga anaattaaac anaaggaggc tacngagcaa ctactacaac 360  
 tcaacgtaaa ggaagcatac tatgcaaatt aca 393

<210> 15262  
 <211> 366  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15262

gcatgctagt caacctttac cttcatctgt tttacaggtt acaggttgca cactttatgg 60

tggagctcat gggtcaggct tctgtattcc cactgaagaa acatctcatg aagttaatta 120  
catgggaaac cagcctagac aaaattntaa tgcagggtgga ttttctggat ttcaacatgg 180  
ccaaccttac cagcagcaga ataaatggag aactcaccct ggtaatcagt tcaataaaga 240  
ccagggtggg ccacctaaca ggccacaaca acaagggcct agcttatatg agagaacaac 300  
aaagctggaa gaaactcttg cttagtttat gcagggtgtca ttgactaatc ataagagcac 360  
agagtc 366

<210> 15263  
<211> 402  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15263

agctntcaat gcacaaattc taaataatta tatgaagact ntgatcaatt tcaattatga 60  
tattaattnt tttaaattat atataaaaac ctagacagca agaaaaagag aaaatacaaaa 120  
atcaatatct ctctaaattt ctcttactt tatttcatca attcatatta attagaaaaa 180  
gtactcgatt tatagggttc acgctcaaca caatagcata tcaatttcac aacaattggt 240  
ctggcaaaca tatataattc actggaataa ttataaggga taaatgaaaaa tggaaaaaaca 300  
ccccaaaact cattccaatt gatatctcta aagatcccta cacatgttct cnactaattc 360  
caattgtgaa taactcatcc cttacctcta aacgggatca cg 402

<210> 15264  
<211> 211  
<212> DNA  
<213> Glycine max

<400> 15264

gtgagctaag ttggagggtgg gcaacagggg atggtgggtt tatgcgcgca ttgtggatgt 60  
ggaaaacttg ttgtgcacca tcgcccgact gccacctagt accacatgtg atgggtaccc 120  
cataatccta caagcttgag atgaggaagt gttgaagggt gaaacttcct gcttttattg 180  
ttgaccacag agtcggacct ggagatatgt c 211

<210> 15265

<211> 394  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15265

agctntgagg ctatctatgg accattaact tctaataata ttgcagattc ccaagagggt 60  
 ctggaacgga ggaatttgat acaagccaat gcaaaaacga ttagactatc aactatcttt 120  
 gcaactcttg atagacgtct gataggggag aatgaacaac aagctattaa gtggctactt 180  
 ccttcaagat cattgccttc ctttattcct tttcaaaatg tttctgttga accaaacttg 240  
 aacgtctgat tctaccctag tttcagagga catcaaactt tggaatggaa aacctgcaac 300  
 anagtttgaa gaagaaaagt ggatgttggg actcaagttc ttgatacctaa gatgaaaaag 360  
 ctcaaactaa agaagctaaa tctacttaat ctct 394

<210> 15266  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15266

ctgatcttta gcttaatgag gcctttatgg gatttaccat ggaatcacgg agataaggaa 60  
 agaggagaga gatatacta ggaataccat ggaaaggact tcgcaccaa atgcttgata 120  
 aactcgaagg tggtatggag aaanaaaaga aaagaagagg gaccaaata gagaagagga 180  
 aagtgcctga tgggtataac ttatttaagt caaaggctct cttttatgca gactctgact 240  
 ctgactctga ctttgacttt gaatttgact ctgacta 277

<210> 15267  
 <211> 307  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15267

agcttgatg attatggtgt accatcaca tgtggtacta tgtggcggtc gggcgatgga 60  
 gcacaacaag cttttcacat gcacaatgcg cgcataaacc caccatgcc ttagccccac 120  
 ctccaactga gctcacgtac ttccacgtag cacatatcct cngttctcat aacaccgggt 180

ccccatcaat gcgtccaagc ttccacaaca ttccagcaaa acaacattca cacagcacia 240  
gctatcacag ccaagcgaaa cagagcatag gcagtagaac tctggccaaa caccaaccaa 300  
taatcac 307

<210> 15268  
<211> 460  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15268

ttgggccatt gatnccatt catnannena cactatagan tactcaagct ntgcattgtca 60  
ngtagttctn gaaaaagaaa ggtccaagtt cttgagagtt ttangangat ttgctgtgtg 120  
aagatctgca gagaccngag cttgaagcgg aagccgttct gagagcttga gatgagtttag 180  
tgagtgcgtg tgagatccca gaggtgaagg tacatcctac cacttgaatn ttcaatcttt 240  
catctgtctt ctcttgtgta aggaagcttt tgtatggaag cttaaatttta tngatttctt 300  
gangtactga tgaaatcttc tatcattaat gatgttggtg tctctggcat atcttcattt 360  
atatgcttac tgacactaat gctctttag gcacacatga actgctattt atactgtagc 420  
aggctatgct catacagatc agtgcaatta tgattgtgtt 460

<210> 15269  
<211> 446  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15269

agcttcatta gatgttgcatt ttcagtatca gttcctctaa tggaagaacg atatgcattt 60  
cttgcatatt aaatntgttt gattgttagt caacagttgg cattgtgctt cttcaacggt 120  
tgcaggatgt tttttgggtt caccatagac tntgtcatat caacaataat tntcttttca 180  
tcttgggtca atttcccaac gtatggatgt ccaactaagg acttggccaa ttcatgattg 240  
tgaatcccat agatcaactt caccatccaa ccttcnctc catgcattgg tttcccacga 300  
agcctgaagg gacaaccaca tttctactc tcagtgtctc ttctaacaaa ttctttcttt 360  
ctacacttat actgaccact cctttcacaa ccaattaaca caaatgaaag tcttctctta 420

ctaccagtat gtgtgtcaga cctcat

446

<210> 15270  
<211> 239  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15270

cctcatcagc anaaccaaca actgcagaat aattatgatc tttcaagcaa canatacaat 60  
ccaggttgaa gaaatcatcc aaatctgaga tgggcaattc ctccacaaca acagcagcct 120  
gtccctcctt tccaaaatgt tgttggtcca agcaagccat atgttcctcc tccaatacag 180  
cagcagcaac tgcagcagtc acaataaaga caacaagcaa ctgaggctcc tcctcaatc 239

<210> 15271  
<211> 424  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15271

agcttatgca tggattatgt aattatgaaa ttgagatgcc cgaagataca ccatttccta 60  
gttaaccatg cattatgtac catgttcaat tattttgttt ttaagtgaaa tgggtntatg 120  
atcccaacat ggttggctcg tgggtgcctaa cacatgaaac taagaatgta gtgtgaaatt 180  
tcacgcttcc ncctttcttg tttttgttnt gtagaggaaa acgcaaggat gagcaaacat 240  
ganaacaaat ggtatgcaca tttgcagatc anaaagtttg ttgaacgcat atgcatgatg 300  
atgccatgac tcatgcnaaa tgtgaggccg gaatatgata acggacaaat gcangatatg 360  
tccattatga tgttatgaag agatgcttat gcgatgcatg atatgaattg catttacgga 420  
cacg 424

<210> 15272  
<211> 337  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15272

tcttatccag gctcatcttg gtggtgaagc tctntattcc atggcttatt ccttaatgga 60  
 tggcgectcc tctcacctct tctcctttgt ctcccgctgc atctccatgt gtgaaaatca 120  
 ccattgaagg acctcattga agctcacaga tccagcttcc atagaagctc cacaagcaag 180  
 ctcccatcaa gtggtaatca gagcacaaga agcttaagta ggtgctcctt aaacctccat 240  
 taattgttgt tctgtgcctt ctcttccatt ggtgggtgctt acattttctc catgtatctc 300  
 ctcacatgct ttgttctaaa tgggtgtaac atgattc 337

<210> 15273  
 <211> 401  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15273

agctttattc aaactattta atccattaat gtcaaagaat tgggtcttga anaagcataa 60  
 caagactttc tctgattgcy ttaaagatac aacctttgct gatgaaaatg gttcagaaac 120  
 attaagaaag ctagcatatg ggcctaaagg aaatgttatt acttggcaag gatacgacat 180  
 tatacagtat ttctttttaca caaaagcaca tgacgacaaa agtacaatgc ataacagcga 240  
 ggtcacccta agggctgaat cttaacactg tgcaagtgtg catgatgaca atccttgcgt 300  
 agcttcatcc cttactttgt gttcattgat gacatttgng agcttaacta tgtcataatt 360  
 attgcatgtg tcttgcaatg tatatgtgcy gaccgatgat g 401

<210> 15274  
 <211> 328  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15274

tcctctctaa gcttcttatt cagacactct ctnggtggtg atgcttcttc ttccatggct 60  
 tattctctag tggatggtgt ctctctttac ctcttctctt ttatcttcca ctgcaactcc 120  
 atgactgaaa atcaccattg aagggcctta ttaaagctca nagatccagc ctccctaana 180  
 gcttctcaag caagttttaca tcatgagata tcatgtagaa ccaactccatg tagtctgctg 240  
 cacactgtcc aagtgcaca catatctgac ccaccaatgc aaggatttca gaaaactgaa 300

ttcatctatc atcgatatac tagagatg

328

<210> 15275  
<211> 427  
<212> DNA  
<213> Glycine max

<400> 15275

tgtcttgcaa gcttctacta agtctttcta aagtaatcaa cttcaacatg ctttgaagct 60  
gtgaagaagt cgtaagagtg atgaagctgc actatatcaa aatgagatat caatttgaac 120  
ttcatcaagg gaattcatca aagtatggac tcattctcag taaacatcag atgactattc 180  
taatgattct tcagaatgcc catgatatat gtccatcaga atgtgaacct caaaatggtc 240  
ttgtctgcta ttacatcatg acagctggaa agtgaaccta cttgctctac aagtgtatta 300  
gttgtagga gccactaca atgattttct tggagctcta aaggcattgt cgaggcatgg 360  
agacaagtga accttcta atctacacaact atgctgattc tgatgagaat tatgtttacc 420  
tccacct 427

<210> 15276  
<211> 437  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15276

tctatacaag tngagggttc tctttacctg aatagtatag tgtacaattt gatgtctntg 60  
tgtgtagcat aagccanaag gaatttgatg gtcacaagtt cttctattgg tgttaaagtt 120  
tcttcatatc aattccttct tattgattat atccttgagc caccagtctt acgttgattc 180  
taactatctc tcctttttct tgttcttgan aaccatttg gttccaatta ctaactaatt 240  
cttaagagat ggtacaagat tccatactnt gttctttgtg agccgactct attattcttc 300  
catagtagca acccaagaat cttcactcaa tgcttcatca atgttctttg gctcaattat 360  
tgagaagagt gtcacatnc ctttctcttt gttcaaagaa gctcttgtnt tgactccaga 420  
tgttatttct ctaatga 437

<210> 15277  
<211> 512

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15277

gttgacacgt ttggaaaccc tttgaanccc ctntactta cggcgaattc agctcgtacc 60  
cgagatcctc taagccacct gccgcatgca gcttggtgtg agaaatntgt gagattaatt 120  
acccccctc ttaattattg agccacttgt gccacaaagg tgagaatccc aaagtgtgtt 180  
caagtctgta aggatttata aagatagggg aatctcaaga ggttgcttgn gacttgacat 240  
aacacgtgaa gggccgacca gataaatcga gttgcaattc tctcttcctt atcttattaa 300  
tttattgcaa tcaactttgt cttgcacatt taaagaacac tattanantt gattggctgc 360  
ttcttcttct atatgtacaa aaagagtggg ngggtctgct gcaagctgag gtganggtan 420  
gatcaccact ggtgcagaaa gctctgaaag taccttcaag gatagcgagg gagtggcagg 480  
acctacctgt ctcacctgtg tctnactttg cn 512

<210> 15278  
<211> 279  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15278

tacaccaagg ttgatacata acatctagt tagccaattc catgagagtt cgattgttat 60  
caaccattat accaactact antttttcag aatcacaagg aataagaata tcgttagaaa 120  
tagaataagg aatgaatnta gtatgcacta tactactatc caaaactaca ctatcatgca 180  
caactacact tctactctta ttacttatac ttaacctatg aaatgtctca tctatctcaa 240  
gatcatatgg atgcaagtca catgatttgg acctagtca 279

<210> 15279  
<211> 236  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15279

agcttatccg aggatctcat ggaggtagat tctcaacgag agctcctatg ttgtagacac 60



acataactaat actgctgggg tcaaagccac ctgctccata attatcagag ggagatggat 120  
aacagacacg gagagaatgg anatggtatc ttgattgatg tattattgct attacaattg 180  
ctcatctata ctaacttccc tactaacaga atctatcttc ttatgctcag ggaata 236

<210> 15280  
<211> 271  
<212> DNA  
<213> Glycine max

<400> 15280

tatcatccat gacactagaa ccacagacac tgaatgttac atacctaacc tccccactat 60  
cttcaatgac ttcaaagtca ggcatgttat ctacacaagg atagtcgtca tgtacagtag 120  
catacgatag acatccatcc cttagactta caccactctc atacatactg ctcttgatc 180  
cacatgatct cgagcaatac gaagactcgt cgatgtcata atcttgccga ggcacaacat 240  
atattttagg ctcatctact ctcttactta c 271

<210> 15281  
<211> 413  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15281

atgttgatcg agtttaaatt taatgggtgt ctttatttaa ntgggtacca aattttatat 60  
taaaataaca ttaatataatt ttttattaat tatgggtggt tcattggaaa aacaaataaa 120  
atattttaaa agtttgcaaa aaaataacat ccgttggcct aaaaccgatg tagaaagcac 180  
attcaacatc gattttttca aaaaccgata ttgtaaagtc actttctaca tcggtttttg 240  
ccaaaatcga tgtcataatc acattcaaca tcggttnttc aaaaaactga tgttgaatat 300  
gactttcaac attgggtttt acagaatcaa tgtagaaaat atttcaaaat atacatttca 360  
acatcgatct tctaaaaccg atgttatntt ttacaatata acatttggtt ttt 413

<210> 15282  
<211> 166  
<212> DNA  
<213> Glycine max

<400> 15282

gctgtactga cctgaaccac cataatacgt taaggtctga gatttattca cattttctga 60  
gacattggag gtaaaattct tacatcccca cactcgaata agcatgaatg ttcacggtaa 120  
tgcttacact ttgtgattga gatgccatat actctactaa catttc 166

<210> 15283  
<211> 385  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15283

agcttgtaac agttagatnt agtataatnt acgtttaata ctatataatc ttcttacttg 60  
actgtttgta caagattact tttcttcccg tgatcaacat ggatttcttt taggagatat 120  
atataaagtt gatttatttg ttaaaaaaat cctaaattcg attatgatat tgatttgaaa 180  
tatttttcat taaaaatgat aattaatctt ttttaccat aaaatttatt ttataccttc 240  
tggttaaact atttgattaa gatagatata ttattaccac ttatataaat cgtttttatc 300  
ttaaaaaatca tatatttttg tgagtaaagt tattttttaa gagtaaataa taatatatgc 360  
caaaaatata taatactatt ctcta 385

<210> 15284  
<211> 124  
<212> DNA  
<213> Glycine max

<400> 15284

acatgaaatt gaggcactgg tttgcatttt ctgtctatgg aaggaactca tacatgatct 60  
tgcttctatt aagcattaaa actctgtctt taactacaat catgcacagt aaattttata 120  
taat 124

<210> 15285  
<211> 412  
<212> DNA  
<213> Glycine max

<400> 15285

agctttgagc taaatcaaac gacaataact ttttactcag atgtctgaat gaatcgcgta 60

atatatagag atcctcgtaa ttgataacgg aggctctgag aaattactaa cgacgttaac 120  
 tttttactcg gatgttcgat tgtgtctcgt aatatatcga gacgctcgat attcagaaga 180  
 gaagctgtga gcaatatcta acgacaatta ctgttcactc ggatgttcga atgaatctcg 240  
 caatatatcg agatgctcat aattgataac ggatgctctg ggataattgt gacaagaata 300  
 acaatttact cggatgtccg aatgtgtccc atattatatt gagacgctag taattgaaga 360  
 tagaggctcg tagcttattc aaacgacact aacttttact ctgatctcct at 412

<210> 15286  
 <211> 352  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15286

tcttgcttga ggagcttcta tggaggctag atctttgagc ttcaatgagg ttctttaatg 60  
 gtgatattac accatggaga tgcagcggaa ggtcaaagag ataaggagag gggatgcacc 120  
 atccactatg gaataagcca ctgaataaag agcttcacca ccaagaattg ccttggataa 180  
 caagcttgaa gatgatgctt taatggacga aaatactgag agaaggggtg acacgaaatt 240  
 gtacgaatac aagagggaaa gacgcggaac tttcgaaggg tttcttataa gactctcatt 300  
 catcaaagtt accacacgtg tttaccatgc ttctatntat tgactaagta gc 352

<210> 15287  
 <211> 392  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15287

agcttctact tgcttggaat tttccagtct atctttctta ttttttcgcc tacattcttc 60  
 ttcaagaata gcttaagcaa catcattaaa ggtagacaa gtgacattat tattatttgt 120  
 tatgttgata atgagtttat catataaatc tggtagactc taaagtagaa gctctaccg 180  
 tttgttttct tctatgttaa aatttgatga gggaaattgn gaaaataaag tattcaggtt 240  
 ttcattgtgt atgtcaccca agtggactca ctggttcgaa gactgcagag tttctcttc 300  
 aagaatattc tagtctgaag tgacttgatc tcatacaatt tgtggaaagt atccanata 360

tccttcacgt tntccattgt taagtgcaaa tt

392

<210> 15288  
<211> 394  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15288

aatgaaagcg ttgacagtgt taacatgcta aacatagagg tggcatcttt gacggctact 60  
actgattcag tgacaacaat ggttgcagca aaggaggaag taaagcaggg tgttgcagat 120  
gatctgaact ctacacattc aacaccctgt gaatggtttg tctatcatga tgacaagagt 180  
gctacaaggt gtatcgctat tcaggtaggg aaacttaatt gaggacatac tattgctctt 240  
tgaactataa ttgtacttgt tgggtgcacc ttgcaagttt gttgtaatnt gcgagaattt 300  
gcaagcttaa atatgataaa atcataatca tgggtggttct caacattatc tggcattgag 360  
agaatttgtg agctaaatat gataaaaactg acct 394

<210> 15289  
<211> 366  
<212> DNA  
<213> Glycine max

<400> 15289

agctctgttc aatagtggga tgaggcgtgt attttctttg taacacactt tgataaacca 60  
agcaattctt tttttttttg ttatcattta gtagctagct ttctgccttt tatcgccagc 120  
atagctagca acattgcaag cttttagaat tcttacaagt taagcacgcc tacaaaaatt 180  
aattcacata ctagatactt ctacgagtta actattccat tgcattcttt gcatgcacct 240  
tctaattgtc tgagtgtcgc gatatgttaa ctatttcaaa acttttaaatt tctcgttcta 300  
ttattacatt agaaatctta aaatatgtat aaatgaattc tgtaagagtg tacaaataag 360  
ctatta 366

<210> 15290  
<211> 322  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 15290

tgtcggcctg attgngccca ccattgaaga agtccttgac cttgaaactc atcgagctca 60  
tcttctctcc cacttccacg cctccgatta tcagacgctc tccatcttct ctaatctccg 120  
tctttcttta tgcaaatcca gagagtttcc aaacaacgcc caaggactct cgaaaggctt 180  
ttttttctct ctctctctca cttgcatcat tataatttaa tatatgctat tgtggcccat 240  
tacctctctc cacttcactc ttcactctca ttattcccta cccaacaaca atgatcccag 300  
aacactactg agactcatct ct 322

<210> 15291

<211> 494

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15291

tgatagaggg gnnnntttga agccatgact tgtatacggc gaatacagct ggtacccggg 60  
atccttagag tgatctgcag agtgcaacc aggcatgoga gctaggggtga tgtngcacgt 120  
actgatgggt accatgaggt gcacgcggcg gtttgaccca tgcgtggcgt tgatagacag 180  
cacgggtagc tgcgttcttg ctttatgcca cacgaagtac cgatactttt tgcattcgaa 240  
ctcgtgaagg agacgtaata gaactgtact atgttcaatc ctaacttgat tctttatcca 300  
gcgaacacta agatgcgcaa tctggacgac atgtgaccta ctagctgctc atagtacaac 360  
actcgccacg tgttaacata ctagtgatca tctctctctc gacatcgag agccaaatgt 420  
gctgcaagaa tttcaacgtg tcgtatactt aagggtttcac ctctttgtga actatcagag 480  
atgatgcac gaaa 494

<210> 15292

<211> 289

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15292

gaatataagg cttntaatt gtcatcattc caacattccc tctaataatga caatcatatg 60  
agaaaaagaa taagaacgaa natttctagg caatganagg tattcgcaag aaataganat 120

atantttgct ttcagattgt gatacgtaac tcatccagat aagtaacttt tgtttgatta 180  
 agtaactttt aagtgcagta atttggtttt aaaacgtttt gccttccaat tcttggtatt 240  
 gcgaaanntt attttcaaaa tgtttgtaca gtaaattaca taactactc 289

<210> 15293  
 <211> 398  
 <212> DNA  
 <213> Glycine max

<400> 15293  
 agcttatata atacaacaat gaatgttgaa taaggatat tccaatggaa tttctaatta 60  
 taaattataa ctggatcaac ctttggtatt caagttttta tgattcttat gttttcattt 120  
 ttttattttc acagttactt tcttcattaa cttctgcctt tgaatttggc tcagttgctg 180  
 atttagcttt aattgtattg ttgaaaatgg gttcctagct ttcgattgag gagctagttt 240  
 aatgtcaagg taagttataa tttcatatct tcatgccaat gattttcttt tccctttctt 300  
 acagtgcata ctgttatctc tattttactc tttttaatta ggattcagtc ctattctttt 360  
 attggatttc gatattcata tctacgtact tctaacaa 398

<210> 15294  
 <211> 401  
 <212> DNA  
 <213> Glycine max

<400> 15294  
 tctagactat ctgtggtgca agtaaacgca aagtaaatat gtgatagata gtgattactt 60  
 tatgtaggat gcacattgca atataccttc taaatggatg gtaacttaca gaaactacca 120  
 aaatccattg attacattttt attggagtggt gtgattatct ttaaaaaaaaa attagagggt 180  
 ctgcctttat cagtaccac aatacgata gactacaatt attgtcattc tccattttgc 240  
 aaataagatg gccgtcgat cttgacatag agatattgat ataaatatac aacatatcta 300  
 tatatatatt tgtatctaca tatatatata taaactcata tgcgatgaga ttatacatat 360  
 ttatatatat atatataata cagtcttata tatataaata t 401

<210> 15295  
 <211> 401  
 <212> DNA

<213> Glycine max

<400> 15295

cttgaagct tgtgttcctt gtttaattatt ggtattagtt gttgtttatg tgaatattag 60  
ttgttaaatt tcaattgaat tatgtttatat gatacacaca tgttaaagta gttgcattac 120  
tattagactc tcttatacat taattggttt atatgaactg ggagaatgat tatataatta 180  
gaaaaacaat tatagataaa attgtctaag tgagatttaa atctaactg aaagatgaaa 240  
ttagaaagct tgaccattgt gtcaattaat gtcattggta tattgaaata tgacttataa 300  
taaatagaata tatgctaata atcgaaatat gacttataca ctgtgtgttt aaagtgttgt 360  
tgtttatttt tgcacttctg agatattatt atgatcttta t 401

<210> 15296

<211> 292

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15296

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tcacatggaa atattagatt acagccagac acaatgcata gatgctactg tgtngngtgc 120  
tntgctacat tgccacatga atttctggta caggaactgg ttggagggga tcaaattcaa 180  
taaagaatgt ccgaatctcc atccgagcaa gttcaaccac caacttcgta agatcaacag 240  
gtcctcctct caccaccttc agttcttcag tggagccttc tactttcaat ct 292

<210> 15297

<211> 368

<212> DNA

<213> Glycine max

<400> 15297

agcttggata tgatgcttca atggaggaaa agaaagaggg agagaaagag agaggtggga 60  
gcacgaaatt gaatgaagac gaaagggaga gaacgtgaac tctgagttgt gtttcacaag 120  
actctcattc atcaaagtta caacaagtgt tacacatgct tctatttata gactatgtag 180  
cttccttgag aagctctctt tgagaaactt ccttgagaag ctcttttgag aaaacttcct 240  
tgagaagtta gagcttagct acatgcaccc ctctctatca tagctcacct acttgagaac 300

tttcttaaga aatttctaaa gaactatagc taactaccat acctttctat agcttagcta 360  
 ccccatg 368

<210> 15298  
 <211> 553  
 <212> DNA  
 <213> Glycine max

<400> 15298

tcacgcgtat cgaagccggc tgatatataa tctcatgtgc cacacctcct aagagtcgcg 60  
 agagatgac cttgaagtgc aacctagtgt acgcacgcat aactactcat cggagatggg 120  
 agtcacgagg cttcatatat agtcctgtga tagcgttact gtgacgaata gattatgcct 180  
 tcgtgaaatg tttgcggggg gcatcatatc cggaatcaga ttacacgagg acggatacgg 240  
 gctagcgtat gcataccttc aggacgttct acattaggac accgctatcg ctgcgagata 300  
 tgtgacgcga gcgaatacgt ccggagcgag acattcctag acaatatcgt gagcgggtat 360  
 ttagattggc gcatggcctt aacctacagt tagcatctgt ggaatgtttg tggcgtagta 420  
 aagcgggtga ctaggcaagg gcatcaccat gaacgtggat ggggacgaat acgacctacg 480  
 tcaatcgtcc gggtagcaag caatatctcc ctttataagg ccaggaactg ctcttgacaa 540  
 actgtaaaga agg 553

<210> 15299  
 <211> 398  
 <212> DNA  
 <213> Glycine max

<400> 15299

agcttgataa gtatttaaga tctgctggaa ttcgtgatcc ctgcgaattg tattgtttct 60  
 taaattggga aaatccttgt tggaccgttt ctgggaatat ctctgggatt ggtccaaaga 120  
 agtcccacca ttgcataaac caattgggaa aatcgtaaat tgtgttggtc ttgaaatata 180  
 tcagccatga atgcttgaag cgggtatttt ggtgccaaaa caccttattc caagcatcaa 240  
 cgtaatccca atatgtatta cctaccgat caaatggaac tgaaaatctc tttcctttgt 300  
 tcaagtctga accaaagtgt cttgggtgaa gaacttttag tatttggatg gctgagtgtg 360  
 tgtctaattg ctggtctttt gatctctgaa atgttgat 398



<210> 15300  
 <211> 397  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15300

ttagccttag gttgttctat gntgcttatg ttgatgctcc tcctatctct aatagtttga 60  
 gacctcagac aaagatgatt cttgatggct catcaagagg tactattatg tctaagagcc 120  
 ctaaggaaga aattgtaatc attgactcta tagaagccac tgattatcag agtcaccatg 180  
 atagggtctt ggttcaaagg aaagttataa tggagccaga tactcacaat gtaattctag 240  
 cttagaatat actctcgact caacatatag aagccttaac aaaacaaata ggccaacttc 300  
 cttataatc tgagtagggg ggatcacaga agacatacca agctcattaa gtacaaaaag 360  
 ttctaagatg acccattggt tagtacctgg tgattgc 397

<210> 15301  
 <211> 360  
 <212> DNA  
 <213> Glycine max

<400> 15301

ttgctgctgc atgcaagctt atcatatggc gtcgatgaat aggtttcttt gttgctctca 60  
 ggatccttga tagataccgt cttattttctt ttatgcacta ttgtgccctt atgacctaat 120  
 ggactctctt tgacagtcca atagaccaca gcatatatat tttttctttg attattacta 180  
 ttattattta attttcacat gttctcttct aattctttct tttattttct tctcattaag 240  
 ctctttcatg acttcttaca ccttttttct aagttatctc tgctttttga taatactttt 300  
 tgttcttttt cactttatat atgtctctct ttttagattt ttctctgctt tcgtttttaca 360

<210> 15302  
 <211> 211  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15302

tgtagtataa agtgtatatt gccncacatt tgtttcaagc ctgtgttatc gtacggccgg 60

ccctgtatga tatgtgacng agataaaagc gattgtgtgc accccacatc caaatgcccc 120  
 aaatgtccgt ccagaaacaa cacgttctca ataggaaatt acaataatta taacgacggc 180  
 tgatatgaaa tgcgtttttg aacgatttct g 211

<210> 15303  
 <211> 337  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15303

agcttatgcy catatttcct tacgaacggt cacttgcaca agacattcta ttaactaaga 60  
 aaaatgcacc catatacaat caaggcagct tcgttaccta gattatttac atgtacttcc 120  
 aaggtgtatt tgttacctac atcacacaca tttcctttgc taaattcaca tacatgcata 180  
 ctctaagcac tntggctatc gaaaattgca tacgtgcata tcttgntatt tctaatacct 240  
 atacatacac aaactttatg ataaatctng actatctaca caataagggtg ctacatttca 300  
 tgccctttttt caaagttttg ctacctaag cgcgatg 337

<210> 15304  
 <211> 374  
 <212> DNA  
 <213> Glycine max

<400> 15304

tgtaaagcat tgatttgata ctggcttccct catcatgtgg ctcatgatag tttaacaatta 60  
 atgatccctt gctaccctgc aatgagacac acatagatac acagacacgc acacatagag 120  
 accaacacac agacacgaac tcagaacaca cacacacaca cacatataga tacacacact 180  
 acacacacac agagtcacac acacttattg acacagacat agactcatat acactgagcc 240  
 acagacactc acagaaaccc aacccataga cacacactct gtgtcttaac acacacatac 300  
 actaatccac tctcacagat gggcagacct caccacataa agagacaaat cgttcacata 360  
 cacacacaac acta 374

<210> 15305  
 <211> 425  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15305

agcttggaat gatgcttcaa tggaggaaaa gaaagagga gagaaagaga gaggggggag 60  
cacgaaattg aaggaataaa agaggagag aagtggaact ttgaagtatg tctcacaaga 120  
ctctcattca tcaaagttac aataagtgtt acacatgctt ctatttatag actangtagc 180  
ttccttgaga agctttctta agaaaacttc cttgagaagc ttctttgaga aaacttcctt 240  
gagaagctag agcttagcta tacacacca tctaaaaact aagctcacct ccttgagaag 300  
cttccttgag aagctagacc ttagctacac acacccatct aaaaactaag ctcaccttct 360  
tgacaaaata catgaaaata caaaaaaag tccctactac aaagactact canaatgccc 420  
tgaaa 425

<210> 15306

<211> 372

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15306

agactatagt ctaaaactct gaaggataac aatgacacta accaatttgc cacaaattta 60  
attaaaaagc cataatggtg agtaagagtt tccaattact gcagtgaatt tagagacaag 120  
ttttggttca ttgttgaatg catanggcac gactatagtc tataactcta agaaaacccat 180  
aagaactgaa caacaaactg aacaagaaaa ccataagaac tgaacaaact tataaaatat 240  
aacatgattt ataaataatc ttatacctta actatgtgat aaaagttcaa tccttcacct 300  
gtangcattg ggaaacattt tntattatta attattanat tcaattaaac cacatctcaa 360  
ggaacgggta ta 372

<210> 15307

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15307

caagcttgac tctaaagagc atcatctatc atccaaaatt tgtacaagaa ttattgtgct 60

tgctggttgg ttacccttca acatgctgga acaactcgtt tctttttcaa caaaataaaa 120  
 tgactagatt gtattaatac aaggtaaaca accttatttc acacatgctt ctcaagcata 180  
 tttgactgta gttgtgcac atgttattag aatgagcatg aaaaagcatg ttgtagatga 240  
 ccagtagaaa gtctcagctt gactattaac acgttccatg acatcagtg caaggattat 300  
 tctaaaaaaa gaaagaattt gaaatntcat tntttattct ttactttaat tntaatgtaa 360  
 tatctctatt agttaatcta tttaatagaa tagaagttat aaaatctacg taattcacgg 420  
 ttaa 424

<210> 15308  
 <211> 335  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15308

gtattaatta ttattgttaa ccttccagta tatatatttc gatatcatca ttcattgttg 60  
 tgtctttcct ctgcgggcat ggcgattttg tctaatttc ttttagaatg catttagatt 120  
 cataatttta ctgacgaaa gcaatttatt agataattta catctcttta atctaanatc 180  
 gattgtttga atgttctttt ataaagaatc taaattgtta taattctaca caattaacaa 240  
 tatagaattt taatttcctt ctaacaagtg agaaattgac attctcttct tgatcaaaga 300  
 gccttaaaaa atatgtgcgt aatttcttta atacc 335

<210> 15309  
 <211> 405  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15309

agctntatcg cccatgtaag ttaagatgta ctaactgctg ccatcgggag actagagcac 60  
 cctggctcgtg tccgtgctgc tgaaggtagc tggtagaggaa gtctgagatg ttgatgctcg 120  
 tgttcctgta accactctag aagttcagtt agtggggtag acacttaaca ctttccttgg 180  
 ctgacacatc ttgtaaagcc ttttttagaa caagtatttc actttgtttt ttttaatact 240  
 tattaataaa ggatntgtta caaattatgt tttcactgtc attcgcttaa tgtttattaa 300

ctgtgtagga taaacagga tcggcgaaac ctatagatta tggatcctga cattgatccc 360  
ctgtccctga tgacattgac catcccacat cttttcctta agttg 405

<210> 15310  
<211> 346  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15310

tgatatatgc caaggtgccg gtttggccag cggttcatgg ataaatgaat gtctgacatt 60  
atttccatga cacacatgca acaatgatga attggaaata ttatgcaaaa ctagtcatgc 120  
atgcaaccat gtggacactc aagcatcaag tttttatggt catgtgacac tagggctcaa 180  
gatncatttt cctctataa gtcaacctag tgtttcccaa acatgatttt tttttatcaa 240  
ttcatgcatt catccgagtc caatttgggc gtccggggaaa ttatacaaca ttcacccttc 300  
agtgcataca catttttttt tcaaaactgg tgtatgatca gtgaat 346

<210> 15311  
<211> 417  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15311

agcttcacat ggagctacat cagaatggtc ttaaagtgtg ggaattgtgg cagtgctaag 60  
gtaagtccca cttgagagga gaaggtagaa agattgcttg agaagaaaag ctctcttaat 120  
atctcctttt cgttggacta gtcactctag gtccctatat ggaaggagtt caaccttgtc 180  
ccccacttcc atattaagcc cactaaggaa cctagctatg cttgtttttt ccacctccct 240  
aagtccagct cttaaaagga gtagttccat ttgttgctta tattctttga cactcatact 300  
tctttgtcta agcctttgga gcttgtccat aagctccctt tcatagtang agggaaatgtg 360  
cctcttctta agggcattct taagatcatt tccatacttt actggangat ccccatg 417

<210> 15312  
<211> 411  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15312

acgattgac gngacccagt gctgagagaa acgaggatat gggctacgtg ggagtacatg 60  
agctcagttg gaggtgggca acaggggatg gtgggtttat gcgcgcattg tggatgtgga 120  
aaacttggtg tgcaccatcg cccgaccgcc acctagtacc acatgtgatg ggtaccccat 180  
aatcctacaa gcttgagatg aggaagtata gaagggtgaa actttctgct tttattcgtt 240  
gaccacagag tgggtacttg agatatgtcg cggagggtcaa gagaccttgg ggacgtcatg 300  
tggggtgcta ttggccaaaa ccaagctgga ccaatccga cccaaccctg gcatattcag 360  
tcagtgaac ctgtgatgac ctaaccgtcg agctcttgca gtcacagata a 411

<210> 15313  
<211> 381  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15313

agctttgact tgagtcacatca agagattata aatatgtgac catggcatga gtttcaatga 60  
atgatctctc atctatcatc tatctttcaa tctatcttcc aatatcttct ttcattctct 120  
tcaacagatc tttctaaatt atttctcttc atttttctaa aagttttttt caacactttc 180  
tcttccaaga aaagtttttt gtccanaaac ttgtgctatt catctttttc attcacttat 240  
ccctttgcca aaagaaccaa ggactaatcg cctgaattct tttgtgtctc tcttctccct 300  
tacaaaagat tcaaaggact aaccgcctaa gaattctttg gattcttccc tttcccttaa 360  
gaaaaagatt acaaatgact a 381

<210> 15314  
<211> 481  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15314

ctataatact cagctttatc aagagtttta ctctctggta atcgattacc agtggcaagt 60  
tntgttttca aaaagctntc aactgaattt acaatgttcc aatcaatttc aaaatgggtgt 120

aatcaattac aatatattgg taatcgatta ccagtgtggt tgaacgttga aattcaaatt 180  
 caaatgtgaa gagtcacatc ctttcacana aatgctntgt gtaatcgatt acaatgattt 240  
 ggtaatcaat taccagtgat aaattttgaa taaaaatcaa aagatgtaac tcttccaatg 300  
 gttctcaagt ttttctaaag gttataactc ttctaattgt tttcttgacc agatatgaag 360  
 agtctataa agcaagacct tgacttgcac ttaagaatca ttctaacaat tataacaatcc 420  
 tttatacctt tgaactcttt gacatcttct tttctcttct ttgaaaagtt tctaaagtta 480  
 t 481

<210> 15315  
 <211> 335  
 <212> DNA  
 <213> Glycine max

<400> 15315  
 agcttttgctt tatttgtacg gcctcccgta cttgaagcct agttgcaggc agtggttgctg 60  
 cgcacaagac cccgagtctg aaaacagtgc tcatttcatc tgagtaaattg gcttacatga 120  
 catattcgctc tagcaattcc tcaacatata cttcaatcaa aacgtgacgc cactcccatt 180  
 cagaaagaga tgagtgttgg tctccataat atgcttggtt accagttgtc agttccaata 240  
 ggactacccc aaagctaaac acatcaatct tttcactaac tcgtgatgct tgaacatatt 300  
 ctgcaattca aatatgaaga atcacattga gaata 335

<210> 15316  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15316

tctagctaca atctacaacc tgctagcaat ttgagaattg gatctatcag gaggtttcag 60  
 acaatccatt tcttctcat cgatatccct gaagcactga tctaccatnt cttcgctaac 120  
 cagctctagc tgtgaagggt cccactagtt aattaataaa ataaaacaca caacatgaag 180  
 ggtaaaataa tcatttatat aacataataa tctaaattnt gtagaaagca gatacgatan 240  
 gagaactatc ttttaatt 258

<210> 15317  
 <211> 98  
 <212> DNA  
 <213> Glycine max

<400> 15317

agcagctggt ttcaatatct atcgtctcga catactgcgg gacacaatcc gacaccctac 60  
 tcttcagcaa ttggcgactg aattggctca tatcttct 98

<210> 15318  
 <211> 485  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15318

tttgagcnct tgaaaactga cgnctttgnt gaatctangc ctgtgacana nngaccncgg 60  
 aaanatcggg acggtaagat tgagtagccg aacgaattac ttactcatta gagaataact 120  
 gtcaacgcng atggaccatt ggacaccatc actaatctag acccttgtaa gtgaagacat 180  
 acactctgga gcgactcaaa ccactatggc ttacactcg gacggactat agagtgcgag 240  
 aataatacca gacgtgggaa cttttgagca cacatattga gaaattatac aagaataact 300  
 ttacatggt ggcgcatcga gtctgctaata atgggtggcgt caaaataaat actggactca 360  
 gtacaaatta aagacttatt attctttgta agcgaagaaa ttgtagaaga cacatgtcgt 420  
 ataaaaatga ctctattatt aaacgctctt gtttgaatga gatgcatggt tgtttaatcg 480  
 aatta 485

<210> 15319  
 <211> 310  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15319

agctctagat taacaacatg acatcatcac atcataaaac acaaaccctc gattaacaat 60  
 aaatatggtc cattaccaat ctaaactctaa attgaatgaa aatcaaaacc taaacaagt 120  
 catggcaata gagagagtta ttaattaatt gaatgagga aaacctaaac gaggataggt 180  
 cagttccgaa ttgaacaatc agtgggaagct aagattaaaa tggtactggc aatttgcaag 240



ttgcaagacg acgacgctnt ggaggaataa taatcataaa acaaagcgag caacagttaa 300  
gtgaataaac 310

<210> 15320  
<211> 313  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15320

ctcacgcttc atgattcacg tatattngat acaagatntc ttaccccacc taaccgttac 60  
ttttcatcac acttgacca cttggagtag tgaacttate ctttttcatg accgaattta 120  
anaaataatg aaccacatct taatgatcat cttttccctc tctcaatctg tgggaagact 180  
ttctagaaga tngacataat ttaaggcaag aggagctccg gcatttagcc aaatccaact 240  
cgtgagtgtc catgaagctt ccgcgttgca ttttcttttt ttctttataa gaaacaatan 300  
aatatatata tca 313

<210> 15321  
<211> 407  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15321

agcttgtgat atttgtaaat gctttcttac taattatggt tatttgactt tggattaat 60  
ttatntata ataaactcac cccttgtaat tntgtaccgt gtgggttgga cctgtgatga 120  
tcgcgaacct ttgttcgtgg gagcagaatg acaacagtag agtatgagaa gtgaggttct 180  
tttgtggagc tgctaagccg acgtgatgac gttgggatta tcttgggaga gagttgtgtt 240  
ttttaatcaa ctctccata gctgggtcca cgattctttt tgttgactta aagaagtaaa 300  
taacaaattt aattatatgt atgaacaaat ttacttttca ttatgtgaat gatatgtaat 360  
gaggtattat acatatatat atatctatgt atatatatat atatata 407

<210> 15322  
<211> 407  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15322

ntcacaagtt atctcataac tcanagcctt gtggcacaac acaatagctc ttgcttcatg 60  
tgtttacctt cttgctgtgt ctattccatt gtggacaagt gcatcaagtg aagtatgtgg 120  
atgcctcccg agttattcgc cttctggtag ccaaaggctc taatgaagta tgtngatacc 180  
actgtcgtcc aggaagacct tgttagaatt aatgtctcat gtgagaggca tgtgacttta 240  
tgtaggacta ataaataaat cattaataat taacgactaa attgttattg tgtaaataagg 300  
agaaacttct aaacgtaact gttacttgat ggaagtagtg ggtgtanaag gggtaataac 360  
ccactaactt gaaacaaagt cccttctgac acaagtgtct ctctatc 407

<210> 15323  
<211> 372  
<212> DNA  
<213> Glycine max

<400> 15323  
agcttttctc ttgtggagac ggcgacaaat atcggttggg acatggaaac aaggaaacgt 60  
accttcaacc aacttgtgtc tctgcactta tcgagtataa tttccaccag atagcatgtg 120  
gacacaccat gactgttgct ctactacat ctggtcacat tgttactatg ggaagcaatg 180  
aatatggtca actatgaaac catctggctg atggaaaagt acctatccta gtacaagaca 240  
agttgggtggg tgaatttgtt gaggtaatat catgtggatc tcatcatgtt gcttgcttgt 300  
catcaagaag tgaattgtat acttggggga caggtgccaa tggaagattg ggacatggag 360  
acatagagga ta 372

<210> 15324  
<211> 462  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15324

tctattctaa ataacccta ttctaagtgt tatatatttg ttacatcaca tctcatgatg 60  
attntgaatg tatctaaata tgcaatagct caaacaaact aagtgcaaaa gtgtcaaatt 120  
aatgcttata catttctctt anaaaatggg aaaaataaaa acattaatat ttaaagttgg 180

acgataaatt aaacttcagc agatgggtta ccaaagcatt atttacagta actttaaggt 240  
 cttcctgatt gtggagactt acatcatgga aggctagcaa attgagccag acattcctac 300  
 cactcataag agatactcgc cgttctgatg tgttacctcc aaaaatgaca aacacttttt 360  
 cgagatcctt cacggcgaga aaaagaactt gtacgctgta gagatattga cctgcttgga 420  
 agctgacctg atataccact aactgatgca agatttgga at 462

<210> 15325  
 <211> 331  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15325

agctttacag cagaatttag taatgaccca ctaacctaga attaaaataa cttaatgcc 60  
 ttaacctatg gaattaaaac aaacttaatg gctgagtgtg actgaaattg tggcaaccaa 120  
 aagtcacccc caacagccaa caagtcagcc accatttgggt ctcccaaaag gctgatgcct 180  
 aggttgccaa ttgggccctt attacaactt gaactaaagc ccttntagtt gattaaccca 240  
 aaacatattt ttggccagcc aactntacaa ggattgggcc attatttaga caaactaaac 300  
 actctaaaat tgaaataaag tgggtgtcatt t 331

<210> 15326  
 <211> 317  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15326

ntacagcaga nttagtaat gaccactat cctagaatta atataactta atgccattaa 60  
 cctaggaat taanacaaac taaatggctg agtgtaactg anattgttg caacccaaaag 120  
 tcacctcaa cagccaacaa gtcagccacc atttgggtctc ccaaaggct gatgcctang 180  
 ttgccaattg ggcccttatt acaacttgaa ctanatgccc tttagttgat taacccaaaa 240  
 cataattttg gtcagccaac ttacaagga ttgggccatt atttagacta actaaacact 300  
 ctataattga aataaag 317

[illegible][illegible][illegible][illegible][illegible][illegible][illegible]

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0	00000000	00000001	00000010	00000011	00000100	00000101	00000110	00000111	00001000	00001001	00001010	00001011	00001100	00001101	00001110	00001111	00010000	00010001	00010010	00010011	00010100	00010101	00010110	00010111	00011000	00011001	00011010	00011011	00011100	00011101	00011110	00011111	00100000	00100001	00100010	00100011	00100100	00100101	00100110	00100111	00101000	00101001	00101010	00101011	00101100	00101101	00101110	00101111	00110000	00110001	00110010	00110011	00110100	00110101	00110110	00110111	00111000	00111001	00111010	00111011	00111100	00111101	00111110	00111111	01000000	01000001	01000010	01000011	01000100	01000101	01000110	01000111	01001000	01001001	01001010	01001011	01001100	01001101	01001110	01001111	01010000	01010001	01010010	01010011	01010100	01010101	01010110	01010111	01011000	01011001	01011010	01011011	01011100	01011101	01011110	01011111	01100000	01100001	01100010	01100011	01100100	01100101	01100110	01100111	01101000	01101001	01101010	01101011	01101100	01101101	01101110	01101111	01110000	01110001	01110010	01110011	01110100	01110101	01110110	01110111	01111000	01111001	01111010	01111011	01111100	01111101	01111110	01111111	10000000	10000001	10000010	10000011	10000100	10000101	10000110	10000111	10001000	10001001	10001010	10001011	10001100	10001101	10001110	10001111	10010000	10010001	10010010	10010011	10010100	10010101	10010110	10010111	10011000	10011001	10011010	10011011	10011100	10011101	10011110	10011111	10100000	10100001	10100010	10100011	10100100	10100101	10100110	10100111	10101000	10101001	10101010	10101011	10101100	10101101	10101110	10101111	10110000	10110001	10110010	10110011	10110100	10110101	10110110	10110111	10111000	10111001	10111010	10111011	10111100	10111101	10111110	10111111	11000000	11000001	11000010	11000011	11000100	11000101	11000110	11000111	11001000	11001001	11001010	11001011	11001100	11001101	11001110	11001111	11010000	11010001	11010010	11010011	11010100	11010101	11010110	11010111	11011000	11011001	11011010	11011011	11011100	11011101	11011110	11011111	11100000	11100001	11100010	11100011	11100100	11100101	11100110	11100111	11101000	11101001	11101010	11101011	11101100	11101101	11101110	11101111	11110000	11110001	11110010	11110011	11110100	11110101	11110110	11110111	11111000	11111001	11111010	11111011	11111100	11111101	11111110	11111111

[illegible]

gttatgacta tgttttgttc atgggttggg tacttcttcc ctttacattg aatttagttt 300  
 gttcgctgat agaaaaacac attgtctata taactaatta tgattgccaa attaaacttaa 360  
 ttatccatca tgtgcatgag aatatggaca aaacataaat attgcgtatt gttatatgat 420  
 aa 422

<210> 15330  
 <211> 398  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15330

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 aactattaga aatgaatgag gaagtttgac aaaataataa gacaaatacc ttttcattgt 180  
 atatacgaag cttttctttg actactgctn tagtatcatc tgaccgagta atgagctttg 240  
 acatacagtg tgcaggagga agaagtggag ccatgaccat tccaggacgc ccattctcac 300  
 tcttgatgct aatggaggca atattaaaaa ttccttcaca ttgattacaa attcttctac 360  
 caagggcatt tgcaagcagt gcttcttctt ggagcttc 398

<210> 15331  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<400> 15331

agctcagatt tgcattgatg ttattaaggt tgcacattgc tttgaaatca ggaaatacca 60  
 tatgcattat taaagcgaaa tactactcat aattatagga aaaatagctg catgattgaa 120  
 cttacgagac ttactatacg tggtttggtg gtataggctc tgcttataaa attactgtta 180  
 ttttgataat ctacagtaac ttttaatatatt gagtcattgg ctttcgttac cgtagggg 238

<210> 15332  
 <211> 502  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15332

ccgaacaccg tgccgcgacc cttaccggga ccccccgcc ccccatgacc ttgatcagcc 60  
 tgaanccagc tgtgcatgcc cttaccgact gacacgggat gagnaenng tctccccacc 120  
 gggattggga gaacgcaaca cacattttta ttgacggaaa ccgactggga tcatagaagc 180  
 atgctagctt cgtgacttac atcaaggacg ccacttatga gtttgcgaca gcaatgctct 240  
 taaccaataa tacatagtat gctaggaatg cgctatcagg agggataata acgcgtccgt 300  
 tatttggctt cattagacag aaggcgggtg acgtattcac gtaagaggaa agcctcattg 360  
 tggaacaaca taggtggcag aatgaaacct ggaattcaag ctttaggcga ctagcacaaa 420  
 tacacacagc actcgcggat gaacatgctc ggccatacca cgacggaggg aaataacccc 480  
 aacaacgagt cggggcaacc cn 502

<210> 15333  
 <211> 413  
 <212> DNA  
 <213> Glycine max

<400> 15333  
 agcttagact cagttcagcc taccatcctc agactgatgg ccaaactgaa cggaccattc 60  
 agtcgttggg ggacatttta agagcatgtg tcttatagca gaagggaagc tgggagggtt 120  
 ttcttccatt gaaagagttc acttataaca acagttttca ttctaccatt ggcatggctc 180  
 cctatgaagc tttgtatggt agaaggtgta taacaccctt atgttggtag agcccggaga 240  
 atgcctcacc ttacgaccag aagtgggtaca acataccact gagaaagtta agttaattca 300  
 ggacaggatg agaactgctc agagtacgca gaccagttat catgataaga ggatgaaaga 360  
 tctggaattc gacgttggtg atcatgtatt cttgagagtc actccatgga atg 413

<210> 15334  
 <211> 320  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15334

tgagatgagg aagtgtagaa ggggtgaaact tcttgctntt attcgttgac cacagagtgg 60

tacctggaga	tatgtcgcg	gggtcaagag	aaccttggga	cgtcaggtgg	ggtgctattg	120
cccaaaacca	agcttgacca	atcccgaccc	aaccggggca	tagttagtca	gtgagaacct	180
gtgatgtacc	taaacaggcg	agctcctggc	agtcaacaga	taaaaggaac	aaagacgaca	240
aagcaaggag	gcttgtgtgg	tggctggcca	gctgtgaact	ttgattgata	tatgggatat	300
ggcctctgg	aatcgattac					320

<210>	15335
<211>	422
<212>	DNA
<213>	Glycine max

agcttgacat	aaacccaat	attctttggt	ctacctaacc	actactggct	ttgaacaaat	60
ctacaacatt	tgctggaggt	tttgctcact	gactaaagta	tgatcatcta	atagacgaat	120
gatatcattta	acacttttag	tcttttcttt	caatgtatac	aaagtgtttt	gagagctttg	180
tatctttata	agaatttaca	gaatgcttta	caagaaaaaa	tgaaagaaaa	attcacataa	240
atagttcggt	ttctgtgttt	cttcaaatat	atattcttca	tcttcaagta	tccattgtct	300
cacaacagtt	gaattcttca	ctcagatctt	tatctgaagt	ctggagtcct	ttggagcatc	360
taatgattgc	attaaatgca	cttatctctt	aatgaaatgt	ccatgttgat	aggatgggtgt	420
gt						422

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<223>      unsure at all n locations
<400>      15336
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gaagtgagca gacttgggta gctgtgccac aaccacccat atgacctcta gacccaaacg 420  
aagttttgga aaactgttac aaaatccct 449

<210> 15337  
<211> 385  
<212> DNA  
<213> Glycine max

<400> 15337

agcttcactt accatcacac ataaaaataa gatttggata aagtagcatc aattattcaa 60  
tcaatatatt atataaaaca caaatattaa ttgtacttgt tagtacacgt gtgttacgct 120  
ctggtaaaag gatgatccac ttttttttaa gtttaaaatt atgataaaaa ggaaggagaa 180  
tatttttgat tcatgccaat tatattgata taatcattta tgtaaataaa aatagtaaca 240  
aaaattaaat gtgcatttat gataattaaa gaaaccaagc agaaaatttt aaattacatt 300  
taattattta atttattatt attatattat ataaatgctt atttgaaact ttgtaaatgc 360  
ttttctaaaa tttaaattct taaaa 385

<210> 15338  
<211> 323  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15338

gattcatggg ttcgagctat gcatgatgaa attattgctt tagaaaggaa tcatacatgg 60  
gtgcttactg anttacctca gaataaaaat gtgatttgtt gcaaattgggt gtacaagatc 120  
aaacataatg tgaatggctc tattgaacgg tataaagctc gcttgggttac taanggctat 180  
acacanattg aaggctanga ctatttagat actgtttctc tagtagccaa aattactaaa 240  
gttcggcttt tgttggcact cgctgctttg ataagtgggt atcagacagc ttatgtaata 300  
atgcaaactc atttgatctt atg 323

<210> 15339  
<211> 388  
<212> DNA  
<213> Glycine max



<223> unsure at all n locations  
 <400> 15339

agcttggtta tgcagcanng tgtgttttgt tgtgcatgtc cttttgtttt tgacatcata 60  
 caccgtggac atggcccata cgagtggaca tggccaacc tatgttgtca gtagcagtct 120  
 tcgcagttnt gtcaacaata aaaagtataa tgcaataaaa aattgtaaaa atactatttg 180  
 aaacataaca tggaatataa caagagttta atacctatgc attgatagta taaaatagat 240  
 tntccactat catccaatca taaattactg tttgaattac tttaagataa ttattttaaa 300  
 tgttgacaca tttaccatgt tagtgcatat atagcgttct aggttgccaa gaatgggtgga 360  
 gttgactgga atgaactcat gagttctg 388

<210> 15340  
 <211> 438  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15340

tcatgatgaa tcaagatnga ttcatttagt tctgatgata actaagatga tgacaaanag 60  
 ctcanaagtc aagaacattt catgataaca aagatgatga tctcaagaca tcaaagaatg 120  
 agttcaagat tgaatcaagt acacttcaag gttcaagagg aaatttgatt tcaagaatca 180  
 agattctagg tacaagcttc caagaatcaa gatcaagatt caagattcaa gattcatgaa 240  
 tcaagagaac acttaatcaa gataagtatg agaaagtctt ttcaaatact aagtagcaca 300  
 tggatttttc tcanaatctg tttccaaaga gttttactct ctggtatcga ttccagatta 360  
 ttgtatcatt acttttagcga aatgggttta aaaactttta ctgattacaa tgtccattga 420  
 tcaaatgttg atcaatac 438

<210> 15341  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<400> 15341

agcttcatat ttgaggtcta aggcaacatt cgggggtcaaa taccctgtgc ataacataaa 60  
 gggctgaggg gtatttcggg ttctatagaa aagaaacata tttttgaaat tccgatcacg 120

ccaatgtgac cggtgttcgg tgaatgccgt aaaaacaatc tcaaggttat aaaaagataa 180  
 ctcttaaaat gtctcattct ctatggattt tcagaggaag tgtaaaaaca cccattaca 240  
 gtaccaaca cataaaagac actaagagga gctc 274

<210> 15342  
 <211> 209  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15342

tagtagtgaa tcacttattg tgaggacaag tagctatgac attaaattta attgccattc 60  
 ttgttgcata tntctaacca tgcttttgat tttgctgagc taaaagttg aatgtgggca 120  
 ccaccatact tagntgattg aagcacatga acacaataat tgttgaatga acgggaatgc 180  
 atgaagagtg tgtatgtaac tttgctttg 209

<210> 15343  
 <211> 375  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15343

agctttgatg caacatttgg agaggttaat gaaacaacga gatgatgcg cccatgagag 60  
 gttggatcaa atggagaata gagatcataa tgaagaagaa aggagtagaa gagggaatga 120  
 tggtgttcct agacaaaact gaattgatga tattaaactc aacattcctc catttaaagg 180  
 aaagaatgat ccagaggcct acttggagtg ggagatgaat atagagcatg ttntctcatg 240  
 caacaactat gatgaggaac ataaggtgaa actngccgtc acggagtttt ccgactatgt 300  
 tcttgtgtgg tggaacaagc tacaaaatga gagagcaaga tatgaagagc caatggttga 360  
 tacatggatg gagat 375

<210> 15344  
 <211> 428  
 <212> DNA  
 <213> Glycine max

<400> 15344

tggagaggat gcttcaatgg aggatatgaa agagggagag taagagagag gggggagcac 60  
gaaattgaag gaagattaag ggagagaagt tgaactttga gttgtgtctc acaagactct 120  
cattcattaa agttacaaca agtgttacac atgcttctat tgatagacta agtagcttcc 180  
ttgagaagct ttcttgagaa aacttccttg agaatcttct ttgagaaaac ttccttgaga 240  
agttagagct tagctacaca caccctctc ataactaaac tcacctgctt gagaagtttc 300  
cttaagaaga tcctaaagaa gctagagctt agctacacat acctctctta tagctaagct 360  
cacctccttg agatgagaag ctagagctta gctacacacc ttctataata gcttagctca 420  
cccccattg 428

<210> 15345  
<211> 394  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15345

agcttctaatt gctaaaaatat acattttaatc ttttatgttn tctatgatat tctatttgat 60  
atgttatttt tttttaaaag ctaagggtca atttagggta attgggagtt tctgattttt 120  
tattttcaaa tgcaattttg ataacaaaat gcttttagcc acaattgagc taaaataatt 180  
tgactcatta tttttataac ttttacattc attctcaaaa ccaagataaa tattgccaat 240  
ctagttttta atttaaaaga atgcacactc tctatatttg acatgggtcct ttccattgct 300  
atcattgcac aaccaccatc tccatcgcca acgacactac tcaccaccac aaccacaaca 360  
tcattcatgac tatcttcact accaccacgg ttga 394

<210> 15346  
<211> 350  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15346

tatagaagca aaaatggacc cgaactacca aggtctacat ataataagcc accanaccag 60  
tgaaatatat aactgaatat aaaaaagtgc aacantttgg agaaggtaaa atggttcaag 120  
aggcacttg ctagcattat gagtagcatn tgcaacttta tataattctt cgtgatcatc 180

atcangttca cgtggatagt cgcatttcat atactgtgag agaacataat caaaagccaa 240  
 tatacataac gaatatattac agactacatg ttaacctaga aataaattat accacaataa 300  
 aaataataaa ttaatgattg acaagtatat gangataatg aaatatacta 350

<210> 15347  
 <211> 376  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15347

agcttagtgg attatggggc acccgtcata tgtggtagta ctatgtggca atcgggcgat 60  
 ggcgcaaadc aactctccca ctttcacaag tcaaacataa acacaccatc cccagttgcc 120  
 cacctcttaa ctgagttcac aactcccac gtagccctta tccacgttcc tctcagcacc 180  
 ggggtcccat caacccctcc aagctttcac aatatccaag caattcaatc ccaactatca 240  
 tgaaactacc ctgaaccgag aaaacagagt agaagcagaa aactctgccc aaaacacata 300  
 tcaataccac aactttccct actcaaatac cccagtaaca ttctctntat ttcgattcag 360  
 taaccattgg atcaac 376

<210> 15348  
 <211> 203  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15348

aggctcttac tctttcaatt ntgcattctca aagtctctga ccaaattctat gacttgcata 60  
 cctttaattc ttctatttac ttctgtaataa ttctggaaga aactccagat ntcatatggt 120  
 gatctgatgg ccattgattct agggagaaga tcttttgaga ccaccacaaa ccaagtagct 180  
 cttgcctttg actatcgtgc ttt 203

<210> 15349  
 <211> 328  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15349

tagcttagtt tatgttagtc taaacctaag agggctgtct aaattaaacc tagtcgaaca 60  
agagggatct gaggatgaag cttggattga ttcagtctaa ctagggatcg aggttttagta 120  
atctaggcta caacatagaa cacaaaagca taatttatta gataaacatc tttatatata 180  
tcagttgggt cgtagaaaag atctaataatc tttacctact gctgtcaatc ttacttactt 240  
gcatttgtat tgttttaacc tanactantt taatactgtc ctanatcata attatcaatg 300  
tttctttaac aatgccttat ttctgaat 328

<210> 15350  
<211> 402  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15350

tcttatccaa ggcacattct tggtagcgaa gctccttctt ccatgactta ttccctagag 60  
gatggcacct cctctcacct cttctccttt atcttccgct gcaactccat ggtggaaaat 120  
caccattgaa ggacctcatt gaagctcana gatccagcct ccataaaagc tccacaagca 180  
agcttccatc aagtggatc agagcacaag agctttaagt aggtgctcct taaacctcca 240  
ttaatntnt gctttacctt ctcttccaat tttgtttctt cttttttctc catgtatctc 300  
ctcacatgtc ttgtgctana tgtttttaac atgaattttt agagtttnca ccgattaaac 360  
ttgttataga agctatattt tgatttctat ggttcaaatt tc 402

<210> 15351  
<211> 363  
<212> DNA  
<213> Glycine max

<400> 15351

agcttctata taagctgaac ctttttatca ataaacacaa gttgagtttt attcagaaaa 60  
ttagagttta tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120  
gaacacctg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaaag 180  
agtgattctt tcttctctat catctccacc cttgttcttt caaaccacaa ttccagaaaa 240  
tccacctctg cccaaaatta tctcgtgacc ataactccca ttttacacac tcaaattaag 300

tgattcttga tcttaaattg aatttcaaaa cgagatcttt cacctcgttt tggaatcacc 360  
tca 363

<210> 15352  
<211> 303  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15352

tataatatat tgatacgcta ganattaaac atcggaagct ctcgaganat tcacatgggc 60  
atgacttttc agacggatgt cggattatgg cgaatcacat atcgagacgc ttcataattg 120  
aacaacagat actctggaga aattcaaag gtcataactg ctcacaccga tgtccgattc 180  
aggcgaatca catatctaga cgctcaaaat tgaacagagg atgctcttcg aaaattcaaa 240  
tggacataac ttttaactcg gatgtccgat cagcgcgcatc acatatagaa gctcttgaaa 300  
agg 303

<210> 15353  
<211> 426  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15353

agcttcatga tgaatcaaga gtgattcaaa gatgttttga tgataacaaa gatgataaca 60  
aaagatgatg acaaaggatga tgacaaaaag ctcaaagggtc aatcaaagaa tgagttcaag 120  
atattcaaga tagaatcaag aacacttcaa gattcaagag gaaagttgat ttcaagaatc 180  
aagaatcaag agaccaagat ttcaagaatc aagattcaag agatcaagat tcaagactca 240  
agattcaaga atcaagagaa ggcttaatca agataagtat ganaagggtt ttctcanaaa 300  
ttgagtagca catggattnt tctcanaaca tgtttaccan agagttttta ctctctngt 360  
aatcgatacc agattgggtg tatcgattac cagtagcana atggatttga aaaagtttca 420  
aatgat 426

<210> 15354  
<211> 416  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15354

ctangatcan nattttntct ctcaactatt cttcattctt cttccttttt tcacttctgt 60  
tcttcctttc tcttgcaaa atttcacggc ttgtccattg gtgatgatca tggaaggcta 120  
aacacttaat taatccaagg atccactata agtaaggctg aatttgagtt ctggtttagt 180  
atttataatc tttgtgaatg ttcacttttt cttcaatcct aatttttatt ttcattgatta 240  
tgattatgat taggattgaa aatggattaa gttatggatt catttcctaa ttttcaaaat 300  
taatcacaga ttgtttggat gattntccaa cttaatttgc gatctcaaac aatntaagga 360  
ttgatttgat tgaactatct ctaatngcat tgactgaact ttcacactct gagcat 416

<210> 15355

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15355

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tgaagttccc cataatactt ggtggattga ttatggatgt atgactcatg tttctaataa 120  
gatgtaggga ttccttaciaa cctgaaccat aaacccaaat gaaaagtgtg tctttatggg 180  
gaatagagtg aaagtccag tggaagctgt tgggacttat catttaatcc tagacactgg 240  
atttcattta gacttatttg atactttnta tgtacctagt atttctagaa atttagtatt 300  
tttgtctaaa cttgatgttg ctggatacct ctttangttt gggaatgnng tgttcagttt 360  
gtataaacgt acttgatga atggatctgg tacgctttat gatgggtata 410

<210> 15356

<211> 350

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15356

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aagaaaatga nagatgaaaa ctaanatacc taaatatcct cccatatcaa atccttctga 120

gtagcagggga cttccttcca agtggtgtat gtcacgtcga ccttatcatg agcgataatc 180  
 cccaaatata ttcttaattt cttcttgtgc ggactatcgt ccttcccggg cgcaggatcg 240  
 atgtggacca ccgatctctc tgccccaggt ggtctagtgg ccaaagatcg tagtcgtgtg 300  
 gctttgcgtg ttcgcttcaa ggtagatgga aactctgatg ctactatagc 350

<210> 15357  
 <211> 380  
 <212> DNA  
 <213> Glycine max

<400> 15357

agcttccgat atgggctata cgaaagggaa atggggttcc agaatggttt atctagaatt 60  
 gtggagtaag cttccggaat atccattctg aaagtgttat ttcgcagcat atttgaatc 120  
 cagaacacca attttgaag tgacattgtt tgtaaactg ttcggacta atatagtttt 180  
 gtctctagtt gtgtagctta tgttgattgc gttgtttagt aatgtcaata agattttaaa 240  
 tttcaatttt atggttgcaa tatgtatatg ttacacgtca tcaaacatat aaggccaaga 300  
 aaaataacta aatatttgtt ctaaatatga atttatttcc agcatatgtt tttgtcatag 360  
 atatcatcta cgatgaattg 380

<210> 15358  
 <211> 390  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15358

tatgccatta ggaggcttca cccctgtgaa tgctgaaaaa cagctcctgt gtctgaattt 60  
 gagtcaccaa agttgtaaat tgctgggaac caacattagc tgaagttaga ggcattccca 120  
 gctgaaactt gaatgaatgt gcatgctaca cagagatnga accacacaac tacataaagc 180  
 agcctcctac aattcatggg tgtggtagca atcactataa gtcttactaa gaaaatatgt 240  
 ttcttcaaag gtttcctcta ccaactcaata aatatggatc atgaagtggc gttcttagac 300  
 ttccgtgaag gcacttacta ttcatgcaa ctctgaagaa gagagattat atcaccgacc 360  
 atttttctct catagaagta tttcacataa 390



<210> 15359  
 <211> 411  
 <212> DNA  
 <213> Glycine max

<400> 15359

agcttgatg attatggggt acccatcaca tgtggtacta ggtggcggtc gggcgatggt 60  
 gcacaacaag ttttccacat ccacaaagcg cgcataaacc caccatcccc tgttgcccac 120  
 ctccaactga gctcacgtac tcccacgtag cccatatact cttttctctc aacaccgggt 180  
 ccccatcaat cctcccaagc tttcccaaca tcaaagtaaa acgacattca aacagcacia 240  
 gctatcacag ccaagcaaaa cagagcaaag gcagataact ctgcaaaaac accaaccaaa 300  
 tcacagcttt tctcacttaa agactccaat aacaattcct tcgttccggt tcattatacc 360  
 gtggaatcga ctgaaaatt tactggaagt ctttagtaca taagcctaca t 411

<210> 15360  
 <211> 298  
 <212> DNA  
 <213> Glycine max

<400> 15360

gatgcaacat ccggagaggt taatgaaaca acgagatgat gcgctccatg agatggttga 60  
 tcaaatggag aatagagatc atactgaaga agagaggatg agaacaggga atgatggtgt 120  
 tcctagacaa aaccgaattg atggtattaa actcaacatt cctccattta aaggaaagaa 180  
 tgatccggag gcctacttgg agtgggagat gagaatacag catgttttct catgcaacaa 240  
 ctatgaggag gaccagaagg tgaagcttgc cgccacggag ttttccgact atgctctt 298

<210> 15361  
 <211> 399  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15361

agctntcaac aaaagtcttc acaaataatc atcacacagc agaaacctag caagactacc 60  
 cataatatct cccaaaaccc catacccagc aaaatcaaga gggaaagaag tccacccaaa 120  
 cctgaatttt cgaagtccca ctgtagcca cgcacttcac gaccccgaaa atgccctcct 180

ttcgcgattt ggagcagaaa tgagtaccaa aggttggagc tntgttgggg tttcaatgga 240  
 gaatgagggg ggagaaaatg gcaacgtgag agagagagag agctgtctga ataagtgtgg 300  
 gggctgagtg atgagagaga aaaacttttt gggtttaaataaaaaggattt ccctcttttt 360  
 ttttctatta atttattcaa gctctgccac atgtcccta 399

<210> 15362  
 <211> 434  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15362

tctntgagca cagatcctga ctcaccatan accttgaccc agtgtgagaa tgtcaatcct 60  
 taccctcgga agcananaag gaagagaagg aaaatttcca atcaaaggaa aaaagagagg 120  
 aaaggaaatt cccaatcaaa gagtgggaga aagcaaaaag aatagaaaga aaattcccaa 180  
 tcaaagaatg ggagaaagaa aaaaaaagag aaggagaaga aggaaagaaa gtccttggtc 240  
 aaagatcgaa agataacaga agaaatatgc agagaggtct ttggaccaga caatatctga 300  
 acaatacgga attgtcacca aatgaacaaa agaaagaaaa ggaaaccata accttaaagt 360  
 ggtcttctcc ctttgattac caaccacaat catgtgcacg ggtgacttgt tcgcctcgcg 420  
 tcaaacaaaa acag 434

<210> 15363  
 <211> 190  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15363

agcttagtgt gagaganatt gactatgcgg agtgtcgcaa cctacccttc agcgggaggg 60  
 cgacgcgaga ctgcggggat gcgtgttcca cgaaaggaat atgcgcggag acgtcaccaa 120  
 cgcttatctg atgaaacgtc ggaccaaccg gaaagacgcg atctacgaac ttttaagtga 180  
 aatgttcggg 190

<210> 15364  
 <211> 461

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15364

gatcttccac catcgctgcc accatctttg tagttcctct cttatcttaa tattattagc 60  
actttgatta ctagccgggt ctttggtat aatattatta catttgaaca atttagtatt 120  
tctttatttg catggagtgt ttgaataatt atcaattatg ttatatgact atgtgatttt 180  
tctatatatc tgatctattc atgtttcttg cttcatgatt ggtttatatt tttccatgat 240  
tgttgctga atgcttagtt gtatttgtat gtttcaaact tgttacgcac tttggctttn 300  
tggtgatgct caacggggag agaaataggg attaaatcaa gaactcacat gagtaatcaa 360  
cttaattgta agagaagcta aattctaaaa caatggggag aatggaaatt atgtgagtga 420  
tcgactatga aaagtgtggt gcgtggtgtg tgtgtgtgt t 461

<210> 15365  
<211> 323  
<212> DNA  
<213> Glycine max

<400> 15365

agcttcaaca aaattcatga aggtaacatc accaacttca acttacttga tcgaaggtaa 60  
cgatgctgct gcacggcaac ggtccatttg taccoaatcc atctaataca tccaacaaga 120  
caagaggaaa gaaacaaca atacatcaga accaagcatt gaaacaaaca tataagaaaa 180  
aaaattaaga gagtaatgtt tgattaactg cttaacatag gacaatattg gagaaactca 240  
caatttttgg ccaattgcct tgtatggagg agctgggttg agcagaaaag cgtaagcacc 300  
cacatgagtc atagatgtat gaa 323

<210> 15366  
<211> 379  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15366

attgaataaa cacttaattn ttgtctgatt gcatcttatg ttaatcaaaa ctatgtctac 60  
aaccatgttt ctgggtttta tttcacgaca atgtggaccc ttcaaatgca gaggctatag 120

taaaaaaatt ccagatggat ggacgttata ttagagatgt ctggttaaatt ctctgattat 180  
 tcatctgtct gggttttggc acccttgcta tttgggtgtg taagttcaag attgggtgaa 240  
 ggatatttga taccctgcta tcatgcgagt ttgggacacc aatgatggaa ggctgaaatt 300  
 tctttgagaa aacaaatcgt tnttgtggac atttgtgtgg atntcttata tgtttctctt 360  
 aatattctct cttatcatg 379

<210> 15367  
 <211> 376  
 <212> DNA  
 <213> Glycine max

<400> 15367  
 agcttatcat agcacaagaa atcagcccct gcatcattca atttggattg gctgacacat 60  
 attgataaat agaaacaaag aaatccagaa tcaagatatt ataggctgac aaaatactgt 120  
 tgatgtagac acatcaaaag tttaaactcc ataaaatcca tcttgctatt tcttttatta 180  
 catgtagctc ctttgtaaac gaaaaatggt ttatatgttc tccatttctt gcattgttct 240  
 caattggttt tcctttgacg gaacaagctg aaagcctttg taagagcgac atgcaaaaca 300  
 tgtgcataga ccaagacaga gtttgaataa caacgaaagt catgagtga ttataactgt 360  
 tggacttggg aaaaca 376

<210> 15368  
 <211> 337  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15368  
 tgtacaaaat agataganat tattacttcc tccgtctcat gataaatggt ntctaagaag 60  
 aaaaaatgag tcttaataat tgttatttta gttnttttaa tgtaatatta acaataaagt 120  
 tagttntata aagttattat tattattatt ttctttcatt tatatattat tttttcttga 180  
 tcttaataaa naaatctagg agaaacttat tatgggatgt agagagtatt tttcttctat 240  
 atatatngat attttgactt tttttctccc actanaactn taatatTTTT ataaattcaa 300  
 tattattaat tatgccttcg agtccttttt ataagaa 337

<210> 15369  
 <211> 303  
 <212> DNA  
 <213> Glycine max

<400> 15369

agctctgagc caattcatatc gacaataact ttttactcaa atatctgatt gagtctcgta 60  
 atataacgag acgctcgaaa ttgaatggcg acactcttat aaaattcaaa cgtcaattag 120  
 tatttactcg gatgtctgat tatgtcccgat catatatcga gacactcgaa atcgaatgtt 180  
 gaatctccta tccaattcag atgacaataa ctctttaatc cgatgtctga tttcgtccca 240  
 taatatatcg agacactcga taatgaatgt tgaactctga gccaatcac acgactataa 300  
 cgt 303

<210> 15370  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<400> 15370

cgacctataa actcgctaac attcacttcg agcctacgat tttctggctc ttcacatcga 60  
 aaaagtattg cgttgatttg ctagagttca cattcatttc agcgttcgat tgttgggact 120  
 atagatatcg agtaaaagt attgtcggtt gaattgactc agagcttcaa cattcaattt 180  
 cgagcgtctc gatatatgac gggactcaat cagacatccg agtaaaaagt tattgtcggt 240  
 cgaattggct cagatgttca acattcaata tcga 274

<210> 15371  
 <211> 351  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15371

agcttgatg atatgtggag cccaccttaa caatcttctt gggagcttta tgaggctttt 60  
 ttgaagggca tgaagaacac gtcgaagtcc aacatggaaa catcttgagc tagatctctt 120  
 agtgagaaac ctataattct gcttcaaccc tctctttgag agtgaccac ttcagtattt 180  
 atgcttacia atctataata ttcctttgat agaagtgtga gatttaattc ttgagtggaa 240

tcccccttttt tgaggtgaag aactatattt tgtgcaataa aacacattct cttttctgta 300  
 tttaatccag caatggctag caaagctaan atcaagtggt gttgctggtc t 351

<210> 15372  
 <211> 459  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15372

tgaggtcaag aacattgaga ttagtggtat tgaacttgaa gaagctgaga gtgagataaa 60  
 naaaaactat taattaattt gttgtgaaca aaatagattt ataaaagagt agcttggcctt 120  
 cctactagtc tggaatgatt attcaatagc ttgggttttaa attgtggtct acaaccgtaa 180  
 ttgtggccac aacattacta gtacatagtt gtccacaact gcatcaacc ataattgtgg 240  
 tgtggaattc aatcacacaa aatgccacaa gcatccacaa cacagctaca atggaattat 300  
 aatagaacca caatggaacc ttgcactatt ctattcaact ttnnttgta aaaaaaacat 360  
 attcagattg aaaccttcta ttataacttg taagtgtcaa tgatcaaagtg tgtgtgacaa 420  
 tatgggatgt tgggagagac ccaaacttaa aatgaatga 459

<210> 15373  
 <211> 347  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15373

agcttctatc ttccattatt taaagagcag taacccaaaag ggtaatagtt tggattactg 60  
 agaattgaag cacaacacaa gctcaaaaat ggtgtggtgt gcactaaaat tcttgacatt 120  
 ctatacaaat tcttctgtcc atttttgtgt atttattcat gaataactgc tgtcatccgc 180  
 aactttgaat gtgagagaga caagatcctt ttattttcaa ttgtcctaaa ttttaagattc 240  
 aaccacttag aattcatgtc actgcttgat tcacatataa aagataaagt cagtcaaaga 300  
 catcttcatt tgaatctatt ccaatgtngt taattaaaaa tcaatta 347

<210> 15374  
 <211> 360

<212> DNA  
<213> Glycine max

<400> 15374

cttgaaagac taccagaata acatatgcta tctggaatct tccttgagag gttgttggtg 60  
gagaggtcca acacagttag gttactatgc ttccctagct cctcaggaat ctcacctgtt 120  
aatccgtag accatagctg aagaacctga tgcctatgca aagatgcaac accctttgga 180  
atcttcccag tgaacttggt tgagaaaagg tggagaatct tcagcctctg gagcttaacc 240  
acacgctcgg aaatctcacc cgaaagagag ttatcactta gatcaagaga catcatcttt 300  
ttgagctcga agatagatcc tggatttgac cacttatttg ttttgagag aagagatctg 360

<210> 15375  
<211> 354  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15375

agcttgtgac tcttggcaat atctttaaca ttagtcactt aaaaagttgt gacttttgaa 60  
aaaatcttca gaaaaagtc acttgaagaa ttgcgactnt tggaaaatta tttttcgaaa 120  
tcagtcactg gtaatcgatt accattaatg tgtaatcgat tacacatcaa tagatgtgac 180  
tcttcatttt aaattttgaa aattaaaaca tttagaagcc ttggtaatca attacaagta 240  
ttgtgtaatt gattatacca tgttaaaatg atttgaaaat gtttaaacac aagctgtaac 300  
tcttgaaatt tgaatcttaa tgtttaaaac actggtnatc gattactacc ttct 354

<210> 15376  
<211> 227  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15376

ntactcataa tccttcatat gagcaagagg tggtgtgctt ctcttgagcc tactgctgca 60  
tcttcttccc atcattccct agcccatcaa aaaaacctta tgctcaaggt gttagggtgca 120  
gataacagaa cctggatccc aaatgacagt aggtgtaaga atgagttcct acagattggt 180  
gcggagatag agccatttgg caatgacaag aatgatgaag acgatga 227

<210> 15377  
 <211> 417  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15377

agctntgCGC acaatggcgg ttctgattgg tcatcaagag gaaatatatt tgcaaaaagt 60  
 ggattttatt gataaaaaca acatccattc attaaaaagc ttaaccatga agcaaggagg 120  
 cagagggaga aacaaaagct tcgaaagcca ttgttgaaga atatccaatt tttggagctc 180  
 tagccaatcc gtttcaactgt atttctcttc cattttcttc catttcattc caccttttat 240  
 atttgtaagt ctctcatgan aatgagagac taaaaccacc tggtattaga agctctgcaa 300  
 accaaactct cttaaatgta attactctaa actatctatt aatatgatgt tgatattatt 360  
 gctctttcgt gtactcattc acatngttgt ggtctgatca tccattttca tgaacta 417

<210> 15378  
 <211> 394  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15378

ntaactcang tagagcacia ctaatcatca acatatcaca tatagcagca gcaagctcac 60  
 acaaccattg aaaaactatg cacactaaaa tcaaacatg tccaaaaaat agaaaaaatc 120  
 aacatgcaaa tgtcaaagaa atatagttaa atagaaaaga aggaaaatgt tagaaatcct 180  
 gngttgctc ccagtaagcg tttctttaac ttcactaact tgacgcataa caccctcacg 240  
 agtcatggag ttggatgatg gtggtcaatc tctcaatatt gtgaccattg taaaccttca 300  
 tcctttgatc attcatgacc tagctatget tccggttggg agaagaggng tccatcaact 360  
 caactgctct ataaagcttt acatccttga tggg 394

<210> 15379  
 <211> 372  
 <212> DNA  
 <213> Glycine max

<400> 15379



agcttgacta tgaaagcaga acctgaaatt tttgtaggtt atagctcaac ttcaaaggcc 60  
 tacagaatct acctaccaca gagcaacaaa gtaatcgta gcagggatgt caaatctctg 120  
 gagtcagata gttgggactg gaaaaatgat tagaggctctg agtttcagga agagaatgaa 180  
 gatgttgatg aagaacctat cagaggaacc agatcacttt cagacatcta ccaaagggtgt 240  
 aatgttgctg tgatggagcc tgagggatat gaagaagcta cagctgatca aaaatggaga 300  
 aatcaatgaa agaggagctt ataatgattg aaaaaataa aacatgggag ctggtggaca 360  
 gacctaacca ca 372

<210> 15380  
 <211> 454  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15380

agatactcag cttttatcca ggctcatctt ggtggtgaag ctcttcttc catggcttat 60  
 tccttaatgg atggcgctc ctctcacctc ctttccttg tcttcgctg catctccatg 120  
 gtggaaaatc accattaaag gacccattg aagctcatag atccagctc catagaagct 180  
 ccacaagcaa gcttccatca gtatcgctt atatggacgt atcatctaag acacaaacgc 240  
 acagatacag atcataatct gataatacat atatagatca acctttatca nttngtattg 300  
 ttgcatctat acaaataata ggatnattat ttctctttaa acataatgta tntgagttac 360  
 attaccattt ttataaaaaa cattaaaata tcatcaaat ttagataata gtattaaata 420  
 attctaaaaa ttaaaatatt ttttatgcct ttga 454

<210> 15381  
 <211> 329  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15381

agcttccact actantttgg ccactaatca agcatggaat aaagtcataa aaatacagaa 60  
 aaagaaaact tgcaggggaa ccatacgatt tcggggggaa aactcacaca cagcaccgat 120  
 gtgatacaca ttgcgggaga aaagtcaa atgttactgcgg agagtgatga gaaaaggcaa 180

caagagatct agagaatgaa attgggatct caacgctggg tagaagcaat gtgtgtaata 240  
 gtaaaagtaa aacgttattc tgaatttcag gggcattttc tcagcaaaca aaatcagaat 300  
 ccaaaataca gtacacatgg aaagagttc 329

<210> 15382  
 <211> 415  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15382

attacggacc taatagactc agcttgctct cnacaacttg gttagctaga ctagtgttctt 60  
 ggtattgaag tcaagtattg tcctgataga tctattatga tgacacatat gaaatacatt 120  
 atggacttgt tgcacaaaac aanataacc gaggctcagc ctatctcttc tcctatgggt 180  
 cctcctgcaa actctctaag aatggcagtg atctctttca tgatcctacc ttatttcatt 240  
 cagttgatgg gcactccaga atgccccttg acccaccag agattagcta ctctgtccac 300  
 aaggctcgcc agtttatggc tcaaccttta gacactcatt ggactgctag gaaacatatt 360  
 ctgcactatc tagagggtag tgggtcttat ggtcttcact taacacctgc tgctc 415

<210> 15383  
 <211> 401  
 <212> DNA  
 <213> Glycine max  
 <400> 15383

agcttggatt tcatttgttt gtacatatat tataggctgt gttccatttc agtatgtctg 60  
 ggagagggaa tggatcaaatt cattaaatg ccaatacaag cacatccaca ggtgcaacaa 120  
 gcagaagcaa aaatgcttca tgaaataaga ctgatattgg gtggaaacat gggatagatg 180  
 ttttatggaa tggtaaaaaa gttaagagca aatattgctt atagatcaac aatgggagaa 240  
 ttttcatatt caagcatcat cttgttgagg ctagatggga ttttgaacca gttcatgtgt 300  
 cgtggcagac ccgcacactg ttgtctggta gaagaagagc gagacggtaa gccttggtat 360  
 ttcgatatca agcgatacgt tgaaagcaaa gagtaccac t 401

<210> 15384

<211> 405  
 <212> DNA  
 <213> Glycine max

<400> 15384

cttgaatatta gtgtatgtct taattgggtt tctaatatt ttcataagtt ctctctacc 60  
 attcactgga tatcttccat ttgacctatt tttctcactg gagcatctct gtcttcttat 120  
 catattagaa aacctcctta cacaagtttc catcgtcttg tctcctgtag ttcaacctta 180  
 actttatctt gaatacaatt attcctaate ttgcattgta tgttctccca tccacctctg 240  
 aattctcggc tatgccacac tctgtttttg gtctagctgg cacttgactg ccatagtgc 300  
 atattcattc catcgttatt gctgtcatat agcacgaaga gaattctaac atttgggaca 360  
 ctctttatac actctacctg agatttaatt tttcacattt gatct 405

<210> 15385  
 <211> 390  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15385

caagcttggg tctcctcttg acatttttga ttccttaaga gtgcaaaacg ttattctaga 60  
 gagtgatggt aaaactattg ctatgaacat ttaategggtg gttgttgaca actcctagtt 120  
 ggggagcttc attcaaagtt actggatgag tttagtacaa aatccaactt ttatagctgc 180  
 ttttattang agacaagcta atggaataac tcatgatctt gctaaggcaa ctccattata 240  
 ccctagtctc tacacttttg tgtgaatgta tgtatacagg ttttaatgat gtcaaagacc 300  
 aagattgctt caagccttan atcaagatcg agaaactaag atcaagagtt agataaagag 360  
 tttatttggt aaaagaatct cacattggat 390

<210> 15386  
 <211> 375  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15386

tgtgacacta ccncattagt tcttaagaag gtattggtag tcatagtcac aattgagtt 60

tggattttac caagtacagg gagatattca tgtaatatgg tagttaagga tggagtttgc 120  
 cagaaataac tagttgaaat ttgtgacact atcccattag tttcttaaga tattggtaat 180  
 cataatcatg atagagttct ggtatttctca agtacaagag atattcatca tgaggtanag 240  
 catcttttgt tatttattga gttcactaag ttacaagta tagacttata gtctgtcagt 300  
 atgccttctg ttagcttata acaagtcana agcctagcac tagctcatgg actcatatga 360  
 natcaaaaag ttctt 375

<210> 15387  
 <211> 195  
 <212> DNA  
 <213> Glycine max

<400> 15387

aacttgggtga acgaggtatt gggcctgtat acaacgtatg cgagcaatgt accatctata 60  
 attaagaaaa gacaaagctt ggaaattatt attattcact acatttaaca gtcttttcca 120  
 caaatgttgt gtttaagggga cacttccaga tggactagag gtcgctgtta agacgctttc 180  
 gcacacatct ggaca 195

<210> 15388  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15388

gcttggacat catgtgatgg tnttctctaa tatcttcaca aaatattgtg catatgattg 60  
 aacttataag atcatctcta atgcaggtgc ttcattgggtt gcctaaaatt aagtgaagtt 120  
 acttaacaaa attttactat ttgagcaaatt gatctggcgc tgcaatgctt aagtgatatg 180  
 cttatataaa caattaattg ctttaacttca atttatcgat taatgaagca tgttttaatt 240  
 acacaatata atgtgggtca agttcacaac acac 274

<210> 15389  
 <211> 291  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 15389

agcttctatt ctctatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60  
gatatcttaa gaaggggggg ttgagttaag atatcacaaa ctatttcnc aattaaaatt 120  
ttatgtcact ttctattcaa gtgataaatt cccttaacaa tgaatttctt atatattgat 180  
tcggatagag caatttgaat atgattgttt aacaatcatc aataaaggag tttaatggaa 240  
gagagaatgc atactcagaa ttatactggt tcagtcacac ccttgtgcct a 291

<210> 15390

<211> 330

<212> DNA

<213> Glycine max

<400> 15390

tccataattc cttaaagtct tcagctggag cctcctgcag tatatccttt ctaagcacac 60  
tataagcact cttaaccgag taccttccac tgatatacgc ctccacacc cactgacct 120  
caatgacatt ctgaattctg atcccccca cctcttgaat aaatgcaacc gcctgatcta 180  
tctcattgtc aaatagtggc ctcctccact tgaagtccca ttcccatcct gttcctttga 240  
attctacat atcctgagat aattggtcgt gctgaaccga tatattgtat agcctttgat 300  
atttctttaa taaacaaatg tcttcccta 330

<210> 15391

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15391

agcttataat aacaaaattg ccttaatcat ttccaaatat gcatgtgaat taagacgcat 60  
caacaagaat caagccaagg ctattgtgca agcagtcaat ggggcaaac ataccaaatg 120  
attataatga tggatggctc aaattctcac aaaggtaaaa tcatcacttt caaattgagc 180  
tgtcanaact atcatgacat gtagagaaga ataaggattc aagtacaaaa tgtcaagaac 240  
ttttatttta aacaattacc catgtttgac atatectata attcaagaaa acatcaaagt 300  
ttacgtgcc aaaaatgacc aaatattaac tgaaatcgac aaactacaca taacaattac 360  
acactaataa ttacaaacca c 381

<210> 15392  
 <211> 280  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15392

tcaagccaag gccagactnt catgcatgca gaggttctt catagaaaat gccanactcc 60  
 ctttgcaaat ttgatttcat gcttaaata gtaggcttct tcatgctcgt gtgcttagca 120  
 cacgtatgga ccgcttagcg cacgttagnt aattttgtct tatcgcgctt ctctcactta 180  
 tcgaatgagc tgaagcgggtg cgcttgatga cctgnagcag tgcactcagc gatcctggca 240  
 actcatcttc ttctggattc tttctcccgc ttagccactg 280

<210> 15393  
 <211> 333  
 <212> DNA  
 <213> Glycine max

<400> 15393

agcttgaatg tgtgtaacct accatcttct catataaggg ttgtggttgg gggagaaatt 60  
 gagggccctc caaagtgttt tgcaggggta taccaccaac tgcttgctt ttagtgccat 120  
 atctgaggca aggctcgaag tcagctagat tgtggtgggg aatttcatgt gtctcccca 180  
 tggtttgaga gacatgtgca tgatccgatt gaggttgttg gctcttaatg agtatgggaa 240  
 tggagctatt gacattctca ctgggagtgat atgccacatt tgggtgtgta tagttgggag 300  
 gcaagccata ccgctggaag gcgtgcttgt ttg 333

<210> 15394  
 <211> 458  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15394

tgtagagatt tcttcattat gtttaatcga ttaccaatta ttcataatcg atttcacaat 60  
 tctgttgaga ccatgtcttg tgttcatgag tctctgctt aatcaattac cagggtatca 120  
 taattgattg catcgttctt gacagtgttc ccaggagtga tcaagaacac tttaatcgat 180

taaatcaaga atttaatcga ttacattggt cttganagct ttccagggtt tgggaagaat 240  
 actttaatcg gttaaaatga gaatctaate gattacttct ttgagataat caattacatt 300  
 gaanatgtaa tccattacca agcgggtataa ctagtttttc tataaattac caccttgtgt 360  
 tctcactttt aacagcgaaa atgaatgagc ttccacgact cacattctaa tccttggttc 420  
 tgaagtttca aaggtaaagt gagttgtgat atctcttg 458

<210> 15395  
 <211> 338  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15395

ttgaagatga tcaataacaa tgccatatagg ttggaccctc cagaagagta tggagtcagc 60  
 accactttta acattcttga ttttaattcct tttgcagggtg gagctgatat tgaggaggag 120  
 gaactaacag atttgagggt aaatcctctt caggngaagg gaatgatgca atcctcccta 180  
 agaagggacc agtcactaga accatgatcc aagaaaatgg gctatagctg ctgaagaaag 240  
 tcctatgggt ctcatgaacc tcacggtaga tttctgtgcc catgggccaa tgatgggtcc 300  
 aattatcttt gtacatatta gactacgatg tcattata 338

<210> 15396  
 <211> 315  
 <212> DNA  
 <213> Glycine max

<400> 15396

tgagatgatg aagtgttgaa ggggtgaagct tcctgcttct attggtgacc acagagtggg 60  
 acctggagat atgtcgcggt ggtcacgaga ccttgtggac gtcacgtggg gtgctattgc 120  
 ccaaaaccaa gcttgaccaa tcccgaacca acccgtgcat agtctgtcag tgagaacctg 180  
 tgatgtacct aaacaggcga gcttcttgca gtcaacagat aaaatgaata caagaccaca 240  
 tagcacggaa gcttgtgggt gctggccagc tagtaatttt gtgtaatatg tgagatatgg 300  
 cctctggtaa tcgat 315

<210> 15397

<211> 321  
 <212> DNA  
 <213> Glycine max

<400> 15397

agcttaatag tcttcacctt acagggtcgg tttatgagat tgagtttaggt ccttgggtca 60  
 tattctaaga tggtttcaaa gtctatccta gatacatcat tgggacactt gcattgctac 120  
 actccaagct agtagccctg agcatgaaga agagagttag aaagtcgtct taattgtggt 180  
 cacccttacc acgccttagt tgcagcctct tagagggcca ccttaattgc aacctcaatg 240  
 gtagtgttta gtctcacatc aactagagat atggcttaaa tagagcttaa taaaagttga 300  
 gtagtcatca ccttacaagt c 321

<210> 15398  
 <211> 382  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15398

actcagcttt acacaggatg atcatagaca ttatagcagt ataacaccca cagattacaa 60  
 gttaaacttg aatagagtaa ttccaattaa ctctgagaat aaatcatgat acacataaga 120  
 gacacacagt aggaatagag aaagtggggg atatgtaaca cagggtataac acaagtagtg 180  
 aaacatctnt aaatcaatct cctcagcaag acatcttttg caaatagtac acaaaaaataa 240  
 attttggtaa aaaatattcc aattaggaac aattaattac tcaagtattt tacaatattc 300  
 acagagtggg taaaatgtaa ccatttagtg atagtaccaa ccacttgagt gggtattttt 360  
 caaaataaat aaaaccatct tt 382

<210> 15399  
 <211> 342  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15399

agcttggaac atacaatctg aattntaggt cctcttaagg acttagtcaa aatatctgct 60  
 ggctgatcat tagaaccaat gaactcagtg acaatctcct tggacagaaa cttctctcga 120



atgaaatgac aatcaatctc tatgtgctta gtcctttcat gaaaaactgg gtttgaggca 180  
 atatgaagag cagcctgatt atcacaatac aacttcattg gcagctcttc acaaaacctc 240  
 aattcctgca gaaactgttt aatccacatg agctcacaag taaccatagt catagatcga 300  
 tattcagctt ctgcactgga ccgagcgaca actgtctgtt tc 342

<210> 15400  
 <211> 466  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15400

tggttggact tccagaatgt tgcgaaactn tacggattac gcaacaatgt ttgctttgac 60  
 ttccggagtg ttgcgaaact ntatggatta tgaacaaaag ctactntga cttccggagt 120  
 gttgtgaaac tttatggatt acgcaacana tctactttcg acttcaagag agaccacaca 180  
 aagttcgcaa gccgaccgcc agtgtccttg gacgaaatta gggatatgaca gttgtccctc 240  
 tttacttata ttttattgga gataaaaggg aagtaaagat aagacactaa tttcgttcga 300  
 gccgaacctc acctgaccga ccactagccc aaccgcgcaa acctatcaat cagaaagagc 360  
 aaaaaggtag caggaacatt agtaciaaacc tcagtgtcgt ggaagcagta aaaccgggat 420  
 gtcaagacgt ncccgcatgc tategaacta atcatctctg ttaaca 466

<210> 15401  
 <211> 403  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 15401

agcttanata tcacaattct tgatatgcag atatatatgg cacagatgag aagcaatcta 60  
 tcagcctctg tcttgactaa ttcctttntt tatgattata agctgcaatc aaaactaaaa 120  
 tggacatagc ttccttgtgc tcttaagagt agcgtgtgtt tggttttacg atgagaaata 180  
 tcaaaattga ttttgctctt tataagaaaa acatgatctt agaaaagata gatgttaaca 240  
 agtctcatat tgtctgcctc aattattggg gagaaattta tatatttatt ggataatttc 300  
 attntgtctt aattggttnt aaactganaa ctaacataat ataagagttt ataacctatc 360

ttagttctca tcttatatat tatatattag aaatataaca ata

403

<210> 15402  
<211> 192  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15402

ctgctgctgt gcttctcggt ctcttctccg acgctcttat gacagctaac atgtctttcc 60  
ggaaagaccg cacatgtggt caacgaccac ctgtgcccta cacatcacca nattcatttc 120  
aactcattac tttatatatt atcatcacca tgcggcaatg atgttgaacg agatctatga 180  
ttcatacagc ac 192

<210> 15403  
<211> 427  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15403

agcttgaata acccaattgt atgtctctgt atcaggcttc atgtaatctg ttatgtaaca 60  
aattaaagat aatttacctt gcatagaatt aataatgaag aaagagaatt taacaattta 120  
gaaaagagca tcccacctcc acaacacaca gaaacaaaaa agaagaaaga taccataaga 180  
attgaaacat aattgtgaac ccagtaagag tataagaaaa agaaacgaga ttcccttaaa 240  
atggtaaattg aaatctttat aagtaaacaa atataagcat cagaaaaaga agaaagagga 300  
agagaaagca gatgtggagg gcaaacccttc tccatattcc atgttctcaa atgttgcaaa 360  
agctatttca ggtattccgc aggtagccta atgaatntgt aagaaataat attaagaaaa 420  
cataatg 427

<210> 15404  
<211> 403  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15404

ctttacagaa gttagataca agaatatgga taaataataa attcatttta taaaatattt 60

gggttaaaaa agtaagacat gatgtacttt aaatgaagta attggatatt catcatctac 120  
 ataataaaat agttaaatatc attaattatc tgatttttag tatattttta atgaaatata 180  
 ataaataatc tataaaatat atatacacta tcatctaatt ataaactctc tcacacacac 240  
 acacacacac atatatatat atatatatat atatatatat ataataaaat tatttgatgt 300  
 ttataataat tatattaaaa aatatataaa caataatctt tattaattaa gagtgtnaaa 360  
 aaatttacac ataaacatta atatcataga ttcattatat aaa 403

<210> 15405  
 <211> 405  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15405

agcttctata taagctgaac cattntatta ataaacacaa gttgagttnt attcagaaaa 60  
 ttagagttta tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120  
 gaacaccctg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180  
 agtgattctt tcttctctt catcttcacc cttgttcttt caaaccacaa ttccagaaaa 240  
 tccacctctg cccaggatta tctcgtggcc ataactccca ttntacgcac tccaattaag 300  
 tgattcttga gcctaaattg actttcaaaa cgagaccttt cacctcgtnn tgcaatcacc 360  
 tcatttggag ccattgtagct tcagttattg ccatttctat atttc 405

<210> 15406  
 <211> 369  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15406

taaaaatact gcgcaatatc ggctggaaaa tatcagtcta agctacttca cgaccgatgt 60  
 cgctatttga gtgttctatt caatccctta atgaaatatg catgatgtcg gtatggaaat 120  
 gttcgatcgg tgtcatgcgg tgatgctntc cttttaacct cgatcgggtca tctttcctgg 180  
 ccgacgtcga ctgtcaattt tttcgatcaa tatcggagag aattatgttt tggccgagat 240  
 gggctaaatt tttcgtggcc gaataaatgg gaacatgccg gtttcggccg aaataaaatg 300

tcggttgagc ttgcacaaca atacctatcc gacctacatt gtacattatt tcatcaacac 360  
caacacacg 369

<210> 15407  
<211> 414  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15407

agctttacat gtgcggggttt aagaatcgaa ggccaagtca ccgcgatata cgaggatgac 60  
tccccaagga gatcggattt ggtacagcta tgtcctcccg atttccgact atgaaattgg 120  
cgagtggagg aactcccga cgtttacgcg acaagcataa tgtatccttt tgtaatttta 180  
aaactctacg gatgggccta ggcttttagag tttccttttg ttaagcatta tgtcttttgt 240  
ttttgaagtt ataataaaa gatctttctt catctgttcc tgcgcctcta cccattctca 300  
ttcatttgca tgtttatttc tttacgctta anaatgctag atccgatgac gagtccctcg 360  
aaggtactaa taccggggac ccagccgtca atttcgagca agaagcgggt cgga 414

<210> 15408  
<211> 418  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15408

tggaaggatn gatgnggaca cggngttgag aaaaacgagg atatgggcta cgtgggagta 60  
cgtgagctca gttggagggtg ggcaacaggg gatggtggat ttatgcgcga tttgtggatg 120  
tggaaaaactt gttgtgcacc atcgcccgac cgccacctag taccacatgt gatgggtacc 180  
ccataatcct acaagcttga gatgaggaag tgtagaaggg tgaaacttcc tgcttttatt 240  
cgttgaccat agagtggtag ctggagatat gtcacggngg tcaggagacc ttngggacgt 300  
caggtggngt gctattgccc aaaaccaagc ttgaccaatc ccgaccaac ccgggcatag 360  
tcagtcagtg agaacctgtg atgtacctaa gcaggcgagc tcctgacagt caacagat 418

<210> 15409  
<211> 355

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15409

agctngtcca caaaaaatag ggttttgaaa gtttatcatt tcagtttctt accaagtaaa 60  
atggatcatt ttttaagggtcc aacgacttaa aatgatcacc tttcaagtaa aaagaatcac 120  
ttgattcacg cataagaaag aactacatag gtctgatttc ctctttgatg gaggggtacgt 180  
aggagcaaaa gccccgcttt tgtcgacctc aaaaaataaa aagaaataaa gntaaggtaa 240  
cacaatttcc acaatttctaa aanatagggt gttgtccttc aagacaaaacg taagaagtgc 300  
taataccttc ctcaaccgta aatacaactc ccgaacttag aatttcattt ttgat 355

<210> 15410  
<211> 425  
<212> DNA  
<213> Glycine max

<400> 15410  
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cggtccttct ccttcttgga aggtaccata cgatatggta ctttcgaacc ttcattcaca 120  
gctttttctc ttttattctc tctagcttgt tcacttctac tctctcttc attcttattg 180  
ttttcatcta tttcaatttt ttcattttct ttttcttttt ctaattcttt ttatttttct 240  
tggtcattta attctttttt cttgaccatt atttcgtttt ctttttctta atttctttca 300  
cttctcatat catctgtctt ttcacagta cttttctttt caataacttt cttcttggat 360  
ctaacactat cctcatctc tgcctcaca aacctcttac tctttgcac acagaattgc 420  
attcc 425

<210> 15411  
<211> 386  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15411

agcttagctt aaaattaatt tanaattctt acaagtattg caaaaattat ctacgaatta 60  
tggattgaaa tcttgtaaatt taatgaatcc acttttacca aaatttattg cttcttttct 120

tactctaaat gtttgcataa acttttataa tatttacata acctttangt gatataattca 180  
attattcatt ataattnttt tatctagagg atntataaca acaactcatg tacctttatt 240  
taactaattg aactanattt cttgacatcc attatacatt tttataatat aaaactaata 300  
gcagtaaaaa tatattatca actattcagt aacaattata aactgccttt tnngttcctt 360  
aatntgttt tttttaaaaa aatctt 386

<210> 15412  
<211> 308  
<212> DNA  
<213> Glycine max

<400> 15412

tgaagacaag actatacgag gtatctttct tgcgtatagc aatatctcta agggctaccg 60  
tgtctacaac ttgcaaacta agaaactcgt catcagccga gatgttgaag ttgatgagta 120  
cgcttcttgg aattgggatg aagaaaaagt ggagaagaac gttcttatac ccgctcaact 180  
acctcaagaa gaagctgagg aagaagacc aggtgaacca cttcacctc cgccactaca 240  
actagatcaa gaactatcat caccaaagtc tactccaaga cgagtaagat cttgtgggga 300  
catatatg 308

<210> 15413  
<211> 366  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15413

agctntctaa gagcacgaga taagaaaccc ggaaactcaa gctacatatt ctatttgatg 60  
gcttaaggta ttatcgacga atacctgtta acaagattct tgataactca gggtatgtag 120  
ttcctcgga tggttggtgg taatttctct tgggttcaaa aatttataat tgaaagaacc 180  
atagacgggt ggcacaagat ggtttaattt atttcanatc cgtaagcatg aagaacactt 240  
gcatagtttc gttcttaatt accangtaag tcgctgcatt gcaaacttgt canagagaaa 300  
tgcagactgc atttgcaaaa ttanacggtg actggatcac caatcacaat tnttcttttc 360  
tttttc 366

<210> 15414  
 <211> 440  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15414

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 atgaagttgt tacaacttgt agatttggtta ataatttgt agttaactac agatgatctt 120  
 aatctgattg ctttggaagt gtattgatgt caacacaatt ggtcatcata tacacagtag 180  
 aggtataatc atgctaattt actgggttac atgaagtttg tcatgttcaa aatatcacat 240  
 atgcaaatta atgatacctt gtagacaata gcctccgaaa ttgattatca tgattcaaaa 300  
 ttaaaagtta caccattaca ctgtcatacc atntaaccga cagaaagtat ttaatacaaa 360  
 gtcacactat acttgaaata ctccacatct gcttaagaca ctangtataa cattgcatga 420  
 agatatatgc attcacataa 440

<210> 15415  
 <211> 338  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15415

agcttgtcca caaaaattca ttaaaaaagg atttgaaagg ggccctatac ccgggttcat 60  
 gggaatctaa ggagtggagg tgaatctatg atcatgctan gtctccgact tgcttgataa 120  
 tagtgaaacc tcatctagag ctttctctct ttataatatg ttgtcgccgg tattccatac 180  
 cgccacaata ttattatatt gagtgatgat acctctagaa aagggtcatg tgagttatga 240  
 atngttggga gtagttatta gagacccta tatattgtcc tatatgttcc caaatagggg 300  
 catggagcga acacgtccg tgccaattgt tctcatgc 338

<210> 15416  
 <211> 349  
 <212> DNA  
 <213> Glycine max

<400> 15416

ccttctccag gtggtctttg gcatcacatt taaacttgaa ccattgtcgt tgagtacctt 60  
 cgcgacgaca tgggtccatac atctgactga cacatgtaga gccttgttgt gccctctccc 120  
 ctcaatggga atttcttctt ccgcaaacgc gatataatta ttggtggta tatgattaac 180  
 aatgccttca aaacctcaa ctgagatgtc gtgtgctaca tgtgttcgt tgaggacttt 240  
 tatcaacagt gcacgatgag gctcagagtt tatgagcaat tcgagtaaag agattctcat 300  
 cggaagttaa ttcagttgct caactacttt aaactcgctt tgttggatg 349

<210> 15417  
 <211> 342  
 <212> DNA  
 <213> Glycine max

<400> 15417

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 gcaaaattgg ggcaaaagat gaatcgagtc atatcactgc ttcgtctact gccaaacata 120  
 tttaggattg ttgatgtcct tggtacttcc agtttcacct tgacaaagat gtcatggacc 180  
 atgttgaaaa tctaaattga ttcaacccca tatcctgcgt aaaaattcgc aatacttcaa 240  
 ctgtacatca ttgcataca tccatgcttt tcattgggtg cattgctcat tgcattcttt 300  
 cctttgaaaa taaaataaaa taaaataaaa taaacttaat ca 342

<210> 15418  
 <211> 501  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15418

ntgagacctg cattgcggcc tgctgategc gtccttcaca ctcagctact acaaaaagctt 60  
 ggtgctaagt ttctagagag tataagctct gtgacagaac aatgtggcgt tcacttcggg 120  
 tgaaagacta tggccagcct ttgctttact tcaagaagag ctcaccaacg cgctgttct 180  
 atctcttaca gacctttcta acacatttga gcttgaatgt gatgcctctg cagtgggagt 240  
 tggaactata ttgttacaag gtgggcaccc tattgcttat cttactcgac gaataaactg 300  
 caacccaaga ggtgtggcca tgctaacaag tgtctgtgta caaggagaat atatggaggg 360  
 tcgctagatg ggaaatccct taatatttgc tttatttga aagggttcc ttctagctac 420



ctctcggaga gacacttact cttcactctt cttaccatta aggtggtctt cttctgggtg 480  
atgtctcact gatcctccct t 501

<210> 15419  
<211> 362  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15419

agcttgtata ttaattggca tacgaattca tcttctactg aggtcgcgag tatccaaatt 60  
catctcctat tgattntgag tataatccca gtacttaaatt cttataata tagtttaaaa 120  
cataatattc atatttcac tctttaagt tagaagtaat atttaaaatt aatagataga 180  
gcagttatgt atgtgtgtgt ttggttcacg agattagtgt gttatttatc caacattnta 240  
atctcttcga tgtttctaaa tcantaataa ttgtctcaac tgcattgatg tacttaaaaa 300  
catatttgtt atattataat atcaacaata ttaacatata taattgagaa ttaaacaatt 360  
ta 362

<210> 15420  
<211> 349  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15420

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ggtatctgag attcacttac aattagttag aaaaattgtt tccgtgaaga acatccaagc 120  
caaggcgctt ccgtaacgct tccgtgatgt ttctgtgggt gatttcgcga agattntcaa 180  
ctgttattcg tcatcttttg ttccgtcttc ttctgtcttc ggtcttcaac cggttaagttc 240  
ccgaaatcaa actcttcaat tcattctatg tacccttagt gtcttcatta gtttcgcgtg 300  
cttttatctt catttcactt actcttcgta cctcctttat gacgtgctt 349

<210> 15421  
<211> 224  
<212> DNA  
<213> Glycine max

<400> 15421  
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 tcttcataag tatattgaat gtagaattac cactaaacgc gtacattaat taatgtggaa 120  
 ttatatcaat ttagagattt caaattataa tcctagatat gcagaatccc attaaatatg 180  
 aactgcccta catcacctag aaactttttt atcaccata ttat 224

<210> 15422  
 <211> 320  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15422

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 tgggtggcaga ggcggttgac tttttgatat attggtggat tattagtata ttttgatgca 120  
 ttatgcacaa ttattgttgc ttttaacatat tttttagttt atgttgtgga tgaattacct 180  
 tttttttttg cggtcacatc tgttttaaca acacgtgcct tagaacaaga actatTTTTT 240  
 tattgattct taaacaaaca ttaacatgaa caacttaaaa agcactaata atactaaatt 300  
 ttgttaaaac catcaacgta 320

<210> 15423  
 <211> 397  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15423

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 gcatacatca aactgtttca aaaagtccaa ctatcatttt attcttaata aatgggagtt 120  
 accagtataa aataaactat ggctgcaaaa ttgtacttca aaaaaatata aaatataacc 180  
 tgatcaaaga catcaatata gactttgtgc agagaatgag aactgcagaa ctgattaatc 240  
 tcatgatgaa tcttgtcata tatccatgtc ttatcataat gtacaccata gttgagcaat 300  
 gtctcaaaga caaatccctt atggagttga ttcacaacct anaagaagaa tatgcatcac 360  
 tgctatgaaa atattgaaga tgtgaaaaga aaacact 397

<210> 15424  
 <211> 384  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15424

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 cgtaggtacc agcagtctct ccatgtttct canaaggtaa gagttcataa tgcaggggaa 120  
 agggtaaaac cttcaagact tcaaagaaca catcanagga gaagttgaga aattttttga 180  
 attcattgac actatttggt ggtgggattc caatcctcaa ctntgctggg ggctctgttg 240  
 tgttaccagg ccattttggt tgctctaatt tagaaagccc nctctctggc atccaatttc 300  
 caatgctcct ctctgtttgc tccacaacat tgaacacctc aagaattgat ggctctaggt 360  
 tgtctttaac caaatggaaa ttac 384

<210> 15425  
 <211> 414  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15425

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 tgaactgcga accgattcgg ccatggttgc gacgaagaga tcgggttcaa tcggagggtc 120  
 tgcgagtgcga ttttctgcgc cgagatggaa caacaccgga ggattgtctc ataaagcgtt 180  
 gatcttcgat ggaaggagaa aaatcgggtgc ggaatctgcc gccggatcta ggagcagctn 240  
 ttcggtgggg agcggcctgt gcggaggttg ctaccggagc tccgacgaaa tttggtgact 300  
 tcttcacaca ttgttgtaga gtcggttgag gccttgccga cgacttcgac ttcgagaact 360  
 tccggtgcga gtaaggtgga gacngcgaag aagccggtga gtaagccaac atta 414

<210> 15426  
 <211> 310  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400>

15426

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tcttcaatct ctctctattn ttcaattcca tggcattggg tagaaaaaag agtgtgcaat 180  
tagcattttt gcttctcctc tttttgtgtt tggatctggg aatagcgcat caacatcagg 240  
gtcattctca ttccattctt ggtttctgtg catccgatgc ccatcatcac tgtggagatg 300  
accatctcca 310

<210>

15427

<211>

416

<212>

DNA

<213>

Glycine max

<223>

unsure at all n locations

<400>

15427

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gcatataggg ctactgacat cttggaattg atacatacgg acatttgtgg accatttcat 120  
acacctttgt ggaatgggtca acaatatttt atatcattca tagaagatta ctccagatat 180  
gcatacttgt ttcttataca gganaattca caatctttgg atgtgttcaa aacattttaa 240  
gttgaagttg aaaatcaact caacaaaaga ataaagtgtg tcagatctga ccgtgggtgg 300  
gaatactatg gcagatatga tggttcaagt gaacaacgtc cggngccttn tgccaggtac 360  
ctagaggaat gtggaatcat cctacagtac accatgtcgg ngtcacctag catgaa 416

<210>

15428

<211>

339

<212>

DNA

<213>

Glycine max

<223>

unsure at all n locations

<400>

15428

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ccaaatcaat accaccatgt tgttgctca atggctctac ttgtacttga tcaatttggga 120  
caaaacgcat tatggtaagg ctaatcccgat gatgttccac cattctccat ccatagcaca 180  
atgcctctct atcatctgggt cctccanaga acaacactgc tacatgatga gatactngat 240

ttcccgctag atgggttagag ccacttaagc ctttatccac taganattcg accgagcaag 300  
 ggtgcattgc tagcacatac tgggtgatgg atctgtatg 339

<210> 15429  
 <211> 359  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15429

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 ctcagctntc aatgttaagt gcttcttcaa agtgagctct tctagttgag gggtcaccaa 120  
 cctcaactgg aatcatgaca ttagtaccat tagtcaatcc aaaaaaagta tagtaccatt 180  
 tattgtggat tgtggagtgc aatggtatat acccctataa tatacaagac aactttctcaa 240  
 cccaaagacc ttttgctntg tccatccttt tattcatctt tgtcaagatg accttggtcg 300  
 ttggtgctgc ttgtccattg gtttggggat gttcaataga agataccaaa tgtttgatg 359

<210> 15430  
 <211> 368  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15430

tgtatttaan aatgtntan aaataccttt aattaatatt tgaattttta ttcctttatt 60  
 aatatatatg tgaggggtag aggggtgtcac atttatggct tgtacttgta ccatatgcc 120  
 ttctcggttt tcttcttaga atcgacatn tattttcctt ttggtcttgt ttctatttag 180  
 ttatatatgg ctcaagttga agtccaattt gcaattgaga atagactttc atttttgttc 240  
 tgatctcaca atctgcatgc attgttagga tcccttgat tttattatcc gcttaagtgt 300  
 ttagagtga tcatcataaa tttattctat ttgtaagaaa tggtttagtt gattaagatc 360  
 agaggatg 368

<210> 15431  
 <211> 385  
 <212> DNA  
 <213> Glycine max

<400> 15431

agcttcttat gcaaggaaac tcttggcggt gaagctcctt cttccttggc ttattaccta 60

gtggatggtg cctcccttct ccttttctcc tttgccttcc gctgcatctg catggtgtat 120

aatcaccata gaaagaactg attgaagctc agagaccac actccatata agctccacat 180

acaagcttcc atgatctagg aaacacttga tttgtggcca aatcctgagc ttgaattaat 240

cttgaagcaa tgcttcgttg ttgaaacaac cttgtattaa tcttgaagca atgcttaaca 300

tttgaatggt tgttgaagta atcttggaaa aaccttggtt attattcttt ggcatcatca 360

aatcatgatt atacattcac attct 385

<210> 15432

<211> 492

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15432

ttgacccctt gnatttggag cactagtatt cccggcctgc cgatcacgcg ctgtgtagca 60

ctggggatgc tcttgagatt caacttctac ctcacagtga tggaactcac attgtgcaga 120

acctacgcaa gccgttgaag tctcttgga gaatttacgg acggagcttg gttaactgac 180

taaccttctg ccttatcttg atcgtgaaaa gtctgcctgg aggctctgga ctctaactga 240

aattgatcat cgtggatggc ctattgctca cttactctgt taatgaacgc tgacgacgaa 300

ccgtaggtgc ttgtggcaaa tgtgcttttg ctgcatata ggatgaagga catatagggt 360

gcgtaggaca ccacaatttg gaatgacgca aagctgttgc tctttgaaga ctactcacgc 420

acacttgcatt attatctacc tgtaatgcatt tgagtgtgaa gatctagggt actgtgttgt 480

agatttcttg cn 492

<210> 15433

<211> 395

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15433

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agttggaatg atttgcattt caagcatcaa atcaagaacc caaatagcat tttcaatctt 120  
 ctttgaattt gcaagccctc taacaatagc gtcataagca acattgtggg agctgatacc 180  
 aagtgttttc atttcatctt gcagtttcat tgctcctttt atgtttccaa ctctacacat 240  
 gccattgatt aaagtgatat attgtttatt tgtaggaaca gaaccacttt ccaacaagac 300  
 ttgcaaaaca cgatgggcct tatgaaaatc actagttcta atgagtccat taaaaaggca 360  
 ttgtatgtat ctacattang aataaccata aactg 395

<210> 15434  
 <211> 371  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15434

ntcacaaaat ccagacaatt caattctatt tgtcatgaaa ctaccttaca caatgaagaa 60  
 cagagtagag gcagaacctt tgcacaagat tcattcaaat tccacagagt ttttcctaac 120  
 ctcataacct caaaaaatcc tcttcgttta gattcggtta ccattggatc gccttgaaac 180  
 ttttactgga ggttcctaata acagaaatct aaattttgac cgttgggatc tgctagagaa 240  
 tgcctagaac acgagatgta ctacctttcc cgtgactagc actgcactaa ccattttctg 300  
 cataattggc aaaatttgct gcacaatttg acagcttttg ctgcataatt tggcagattt 360  
 cgaattctag c 371

<210> 15435  
 <211> 405  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15435

agcttgctta tgcaagtata agaatagcac ctagtgttga anacttcaat atgtcttcca 60  
 aatcccacaa agtttccatg agtttatttc ttcttttcta ttttgagtgt gaccaagtga 120  
 gtcacaaatg gtaaggtang agcgttgctt gttttgatgg aatgtatttg gtaattaatg 180  
 tggaataata gaagttaata atatgcatgg tcatgttgcc acttgcatg ttgagtggc 240  
 aagtttcata tgaggtccac cgctggtaga attgttgaaa tttggcccca attaacactc 300

gtggtgatac ttataaattg ttaccggttg aattgatagg tggctcacog ttcatagatt 360  
aatagaggct tctcacatga cttctgngat agccatcaag tgatg 405

<210> 15436  
<211> 356  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15436

gacactatag aaactaagct tnaattgtaa accttctccg ccgttacaca tacaaagctt 60  
caagagagga agaaaattaa ctatctcccc tctctagggt caccattaat atggccctc 120  
aagtgggtaa actcactcct catacacaca aattcatcaa catcatcacc ataaacacaa 180  
tcgaattatg aacattaatt ngctataatg tcaaaggctg gataccctca tacctaaaac 240  
caaagtgcga attataactc aacatcatat aatagaagca atctcatcat agaagcaatc 300  
tcatcataga agcaatctca ttatagaaac aagagtaa at tacacatacc tcccct 356

<210> 15437  
<211> 312  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15437

agcttcttgg ttggaagaa tagggagcct atcaacatct tacagtatgc tgatgatact 60  
gttttttttg gagaggctgt gtgggacaac attcatgcta ttaaggccat cttaagagga 120  
tttgaattag cttctggttt gaagattaat tntgcaaaa gccaatgttg ggttattggt 180  
gatggtgtta attgggcat ggaagcagct aataacctga actgtcngta gctggaatgt 240  
cctttccttt acttangcat acctattang gctaaccct ctagccagct ggtgtgggag 300  
cctatcatca ct 312

<210> 15438  
<211> 386  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15438



ntatgaactt gganaggaac ttgaactata ctatagcctt ctctgtgctgg tgtatcttga 60  
tattaggcag aggcaattct caggggaacat caagctcact ttcggataag gttcatcaag 120  
ttgaatggaa atcttttagc accctcatct tgttcttggga cttaaaccctc atgcagaggg 180  
ataagggtat accattataa tgattgcata gttgggcata taggggttaat tgaaagtata 240  
taatttctct atttttttca cgacagattt gtttaataat tataaatgga ttcatagttc 300  
cttcttgact ntcagcttct acagtgcatt catatcaagt gataacattc tcttttatga 360  
taataacatg actcctactt ggaata 386

<210> 15439  
<211> 407  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15439

agcttcatac caaagcaact cataatctag gtatctaaaa cccctcaatt tagtggattn 60  
tcaaggtttg agaagtgaaa atgagaatgg tgtaaatttg gagcanactc tcacctcaca 120  
caagtctata acattaatct aaacttgctc aaactgggtn tacgctaata attccactga 180  
atcaaaattt gactcatcaa caccatant taccctagaa atggctcttg tttcactctg 240  
gtcactcata ttctcattt gcacagtcta agctttctct taagtcttaa aagacatttc 300  
aaactatgat taactcactt taacccccaa ttaccactga atccagattt agccttccaa 360  
ctctcaaage cttactcttt gttgcactca taacaccaca ttctcac 407

<210> 15440  
<211> 373  
<212> DNA  
<213> Glycine max

<400> 15440

tctacttatg tggcaaggcg ggctttcttc actttcttgt ctccaacgag agctctgacc 60  
actgttcttc cttcccgga tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120  
tccatacttc ccacgatttc cttgggttat tatcaagcta gttatgccgc cattgtcttt 180  
gcctaaaccc attccgggtt cataaccgtt cccaacata actcgggtcca tcattaccgg 240

cgcatcggac agacaagggt gcccaaagag ggagtccacg atgaaatgct gaccacctca 300  
 taagactgga cagcgggttc taacgattct tctgcggtt ccacataagg catggaggat 360  
 gggcagctta cca 373

<210> 15441  
 <211> 371  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15441

agcttcatgc tgctcaattg ctccaggttg ctgcatggaa gggcaaagggt ctgtatgggtg 60  
 gtcagcagag gagcacaac cacaaccct tgcaacagggt acaaatttct gattcaaggc 120  
 cagctgggtt accaagttaa ccaatgcac cagtttgctt tcaagcttct tagtttcaga 180  
 tgatgcagat gggttttag ctacctcatg cactcctcta atgactatgg catcatttct 240  
 ggcgctaaac tgctaggagt tggaagccat cttctctatt aaatntctgg cttcagcagg 300  
 agtcatgtct ccaagggctc catcactgggt agaatctatc atacttctct ccatattact 360  
 gagtccttca t 371

<210> 15442  
 <211> 342  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15442

tcttgaggaa gccttntaat gaagcttctt gaggaagcta catgaagttg cctcggtaaa 60  
 aacgcttccc agccttcatt aaccgttgga tcttctcgaa atttggttta caacttcaca 120  
 agacatttgt ccatgatctg accgttgga tcttcaagaa gatgtctgga gtgtgggcta 180  
 agcttccgtt cctggagcat ttcttattta agcatttcgg ccattgcttt cgtgtatctt 240  
 aagaanaacg tcatttcttc tcctttcttt cttccaaagt catttctaac atcccaatca 300  
 ctgtctccat ctcccacagc caccattagc caccacaaac ca 342

<210> 15443  
 <211> 348  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15443

agctttgatg gtggaggata gacgaacagc gctaggcaat caaatcatgg gtctccgaat 60  
aagattttat gtttgaggat agatgaatag tgctaggcaa tcaattcatg ggactccgaa 120  
taagatttga ggggtggacga taaacgaaca acgctaggca accaattcgt ggtgctccat 180  
actcaatggt ggaggacgca tgaacaaaac tagggaataa attgatgggt ctccgaataa 240  
gatntgaggg tggaggatag acgaacaact ctaggcaatc aatccatggg gttctagact 300  
cgatggtgga gaacgcatga acagcgctag gcaatcaagt catgggtc 348

<210> 15444

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15444

ntgtgtggag cttcaatgga gaatgaagaa gaagagaatg gcaacgtgag ggagagagag 60  
ggctgtctga aatttctgtt ttgctgagtg aggagagaga aaagctttct ggtcttaaata 120  
'aaaaggtttt cctctttttc tattatttta ttctagctct gccacatgtc cctatttgat 180  
tggagaaaaa aataaagggc ccactntctc tttttgactg tgaccatac tcagtcacaa 240  
aagtgagaaa aatntgacct ttgaaacgct aaaatcctgc ctcggtttgc gtgccgtttc 300  
tetgattcca gattctcgcg tttctctgcg tcccgcggg ccagttttcg aaagcaagca 360  
atatatatat c 371

<210> 15445

<211> 370

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15445

agcttgggcg catgcaattc aaagaggcat aacaaatgga ttatcaagag tatcagaggt 60  
catcacactt gtctcgtgcc gatgcttaga caagatcatc gccaaactga caaacacgtc 120  
atagcacaga tcatccaacc aattgtcaaa acaaaccгаа ctgtctccat caagacattg 180

attgcagaga tcaaaacggt catgaattat accctatcct acaagaagac atgggtagca 240  
aagcaaaaaa cattggagat gattcatgga aactgggaag aatcatatgc caaactgcc 300  
aaacttttcg gagctttgca atcttggtt cccgggactg tggtcgctgc tcanacagaa 360  
tccttgatg 370

<210> 15446  
<211> 418  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 15446

ctgaagaaag gttatgaacc ttacgagcat tcaactcanat tctctatgca caaacatatc 60  
cgtaaattct tgtaaagttt agaaaaaatc tcacaacaca ttgattatct tgagagaata 120  
ggctaagtgt tgggattaat attgtatatt cgtttgtaag acgctcatgg agttagtcat 180  
tgtgcaagca caaacaacan atctttctta tttgtataga gtcaatagtg acttagtaga 240  
acaaagaata ctagggtgat tcaagcttgc agtatagctt gatttgtcag agcaacacat 300  
gttagagata atggcacgtg gaactataaa ccaagaagga tgaattgttc caaattgctt 360  
tagaaccaaa tgaaaatttt agaagatagc ttcattaatc caatgattta agagtatt 418

<210> 15447  
<211> 371  
<212> DNA  
<213> Glycine max  
<400> 15447

agcttgaaca ttatctcctt ttgggttcgc aggttcttcc atgcacggaa tccagtgatc 60  
atctcgatta caatgcaccc aagagaccat atatctaacg ctggttcaat ctgaccaacg 120  
atcgattctg gcgacatgta aaaagggtgc cctctaaact tgaccttccc atactcagca 180  
tttgcattct ctctagtctt ggacaaccca aaatcagcaa tcttcagttg ataccttgca 240  
tgatcatcag atgaaggaaa gagaaggatg ttgtccggtt tgagatcaca atggacgact 300  
ccttttcgat gaatgcaaga aagccctttg agaagcatag gagtgtagac tcttacttca 360  
ctatccgata t 371

<210> 15448  
 <211> 417  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15448

tcatcatcaa tccaagaaga aagtgataaa gatgattcac atganataga cgatgatgat 60  
 gatcttagtc tttntgtaaa aagattcaac gaatttttaa gaaacaaagg aaatcaaaga 120  
 aggtcaaatt tcaaatacaa gaanagggca gaagattcgt cctctattcc aaaatgttat 180  
 gaatgcaatc aaccaggaca tctgaggggtt gattgcccaa ttttcaagaa aatgatagaa 240  
 agatctgaan agaaaacttc taatgataag aaagccaaga aggcctacat tccttgggat 300  
 gacaatgata tggactcatc tgaagattag aanatgaagt tgtgaactaa gtctgatgcc 360  
 caaggattat gaaagcaatg aanaggtaac atcttctgac aacacttatg tattttca 417

<210> 15449  
 <211> 425  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15449

agcttgtcaa acactatttg tttctcgtga agggacaaca aatggcaaag gagttagagc 60  
 ttttagtagta agaataattg cttattagtc tggagatgga tcatggtaca ctaacatgct 120  
 tttatttagt acctttctgc acataaaaag tgcccaattt tgtatgcttt gtcctggagt 180  
 gacgaacaag attgtgcgag agactgtact aaggttgtca cagtagatct ttggagtcnt 240  
 gaaaaactca gaagagattg aatccatatg atttcagctt cagtactcag cctcagtgct 300  
 ggactgngcc actaaattct gtttcctggg ccaccacaaa attaaattgg ggtcaagata 360  
 tatacaagca cctaaagtgg acatcttctc attcatctat atatgaagcc tagttntcat 420  
 cacag 425

<210> 15450  
 <211> 312  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 15450

tgtctcctat gcagtgacac tatectcaga atntataaaa atgttgtgac agatcctaata 60  
gcaaaggaac ttgcgaaccc caccactcca aacacaatct ccacaccatt gctgataact 120  
catactacaa gaaaatatga tttgttagatt ctccacacca ttgctgaaaa ctacactac 180  
atagagtttc cgaggctgga ataacattcc tacgagccan attctattta gagggaaatgt 240  
gatcctaaag cgctntccat gcaaagcctt gaatctttaa agcatcttct tcacctttca 300  
atcctcccca ca 312

<210> 15451  
<211> 416  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15451

agctttgtgg ctgaggacct atataacagc accagggttt tagtttttag agtttttggga 60  
gaggagaata attntaggt tttgcaattc cagtttttat tactgttcat gcacactgtt 120  
cacgtagaat aaaattcgtt ttctgcaatt gcgtttctgc ttcaatctac aatttcattt 180  
tctactgatt aatggaaggc taagtctcca gcattttttt ctcttaagga tcaagcacag 240  
ctctctttga ggttttggtt ttactattga attttgatca gtttctcctt ttcaccaatt 300  
actctgtatt tgttgctatt aatccatgca tgcttagtgc ttgattaatt gtctctgcgc 360  
ttaatttatg ttcattgctta atgatcagtt tcgttcatga ttaattggtg tatgtg 416

<210> 15452  
<211> 456  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 15452

ngcaattaac atgaatggcc ttcctaatat tacaggaatg tcagtatctt cacaatatc 60  
cattaccaca tagtctatcg ggaagataaa atgtttcact ctaaccagca catcttcaat 120  
tactccatat ggtctggtta tggagcggtc agcaagttgt aaagtcatct tagtgggcat 180  
gatctccaac tctcccaacc ttntgcacat ggagagtggc attaaattaa tactggctcc 240

cagggtcaata agagcctttc acacagtgac ttctccaatt gaacaaggaa tagttacact 300  
 cccaggggtct t gatgcttgn gtggaaggat cttttgaatc acaacactac aatttccttc 360  
 cactatgata ttttcctggg gaatatactt atgtttcctt gttaacatat ccttcaagaa 420  
 cttggagtag agtggcatct gctgtaaagc ttctcc 456

<210> 15453  
 <211> 379  
 <212> DNA  
 <213> Glycine max

<400> 15453

agcttcatga tgaatcaaga ttgattcaaa gagttttgat gataacaaag atgatgacaa 60  
 aaagctcaaa agtcaataac acttcatgat aacaaagata atgatctcaa gaatcaaaga 120  
 atgagttcaa gattgaatca agtacacttc aaggatcaag aggaaagttg aattcaagaa 180  
 tcaagaatta agatcaagat tcaagactca agattcaaga atcaagagaa gacttaatca 240  
 agatgagtat taaaaagttg tttcaaaaac tgagtagcac atggaatttt ctcaaaacct 300  
 tttaccaaag agtttttact ctctggtaat cgattaccag attattgtaa tcgattacca 360  
 gtagcaaaat gtattaaaa 379

<210> 15454  
 <211> 435  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 15454

ntagagagct gcgcttcttc attgccttca aatttctgtc tgtatctgat tcatcaccag 60  
 gttttccagg agagaagact ttgagaagcc cttgaaccag gcttggtgca aagtccttgt 120  
 acctttgatg aagcaaagaa cagatctttc caaaaagaag caaatgattt aaggtaacat 180  
 catataaaat atagaaacag cttcaaagt gttagaaacca gggggactgc aaagccata 240  
 cctgaactgc agcttgata tcagaacttc taagcttggc atcacatata gcagccacag 300  
 cttcactgac aaatntgctt aagttgacac ttcgcaactc gtccatcaga gcttcacgct 360  
 gctcttcatt aatctgcttc agtttcttaa taacagcagt ggtgcgctta atgctagaat 420

<210> 15455  
 <211> 313  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 15455

agctttntat tgtcagtaga tgaagatgaa tctgtggcca cctcatggac tcctctaagg 60  
 acaatagcat catttcttgc actgaattgt tgggagttgg aagtcattctt ctcaatcaaa 120  
 ttcttagcct cagcaggggt catatcacca agagctccac cactggcagc atcaatcata 180  
 ctctctctta tgttgctaag tccctcatag aaatattgaa gaaagagttg ctcagaaatc 240  
 tggtggtgag gacagcttgc acacaatttc ttgaatgttt cccagtactt atacaagctt 300  
 tctctaataa gtt 313

<210> 15456  
 <211> 200  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 15456

gttcgtacag cttacggtat aatctgggac ctgcccattg tagaagtctc cgcagaggcc 60  
 agtgccctccc tcgcccagtg ttatgatcag ccgatgaggt gcttcattctt tgnnggacttg 120  
 cagctatcac cagtgggtgga agaanttgac gagatcctag gatgtcctct anggggaatg 180  
 aaaccatacc tcttctcagg 200

<210> 15457  
 <211> 382  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 15457

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